

Storm Series® Ranger II™ Excel™ R2™ jr.

FWD

Power Wheelchairs



Yes, you can.

Parts Catalog Usage Guide

The information contained in this document is subject to change without notice. This catalog contains service parts for Form No. 98-289. If you have any questions regarding this catalog, please contact one of our Customer Service Representatives.

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For Faxed In Orders Call:

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1-440-366-0709

For Technical Service Call:

1-800-832-4707

Literature Can Be Found at:

www.invacare.com or

1-800-828-6272

SYMBOL DEFINITION

Throughout this catalog you will notice letters to draw your attention to specific footnotes which are located at the bottom of the page or below specified charts.

Examples:

A,B,C etc. = Special Comments

NOTE: = General information pertaining to that specific page

NLA = No Longer Available

HARDWARE MEASUREMENTS

The measurements for the hardware will be listed as follows:

Screws, Bolts Diameter X Thread Count/Pitch X Length

Washers Inside Diameter X Outside Diameter X Thickness

Spacers Inside Diameter X Outside Diameter X Length

For your convenience, we have supplied an area for you to list your Invacare Representatives.

| Name | Phone Numbers |
|------|---------------|
| | |
| | |
| | |
| | |
| | |

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Frame Finishes, Touch-Up Paint & Upholstery Options

Frame Finishes and Touch-Up Paint

| Color Number | Part Number | Bottle Size | Color |
|--------------|-------------|-------------|--------------------------|
| 02P | 1031452-NLA | .6 oz. | Pink Pearl |
| 06P | 1031454-NLA | .6 oz. | Super Teal |
| 08P | 1031456-NLA | .6 oz. | Deep Purple |
| 17P | 1046319-NLA | .6 oz. | Cobalt Blue |
| 22P | 1033376-NLA | .6 oz. | Anthracite |
| 24P | 1031450-NLA | .6 oz. | Wet Black |
| 29P | 1031447-NLA | .6 oz. | White |
| 30P | 1031448-NLA | .6 oz. | Sunny Yellow |
| 33P | 1031455-NLA | .6 oz. | Red |
| 34P | 1046327-NLA | .6 oz. | Flat Black |
| 61P | 1046321-NLA | .6 oz. | Electric Red |
| 62P | 1046320-NLA | .6 oz. | Electric Blue |
| 64P | 1046324-NLA | .6 oz. | Metallic Blue |
| 69P | 1101320-NLA | .6 oz. | Teflon Black |
| 71P | N/A | N/A | Silver Vein |
| 80P | 1073892-NLA | .6 oz. | Evergreen with Navy |
| 81P | 1073893-NLA | .6 oz. | Dark Olive with Copper |
| 82P | 1073894-NLA | .6 oz. | Fruit Punch with Fuchsia |
| 83P | 1073895-NLA | .6 oz. | Royal Blue with Grape |
| 84P | 1073896-NLA | .6 oz. | Lavender |
| 101P | 1101325-NLA | .6 oz. | Jeweled Green |
| 102P | 1101327-NLA | .6 oz. | Denim Blue |
| 103P | 1101324-NLA | .6 oz. | Mocha Frost |
| 104P | 1101316-NLA | .6 oz. | Electric Teal |
| 105P | 1101326-NLA | .6 oz. | Midnight Blue |

Frame Finishes, Touch-Up Paint & Upholstery Options

Sparkle Frame Finishes

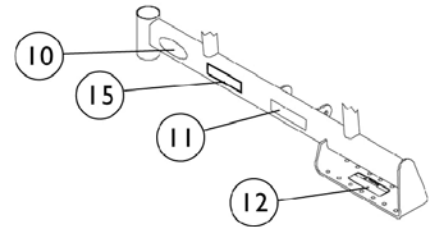
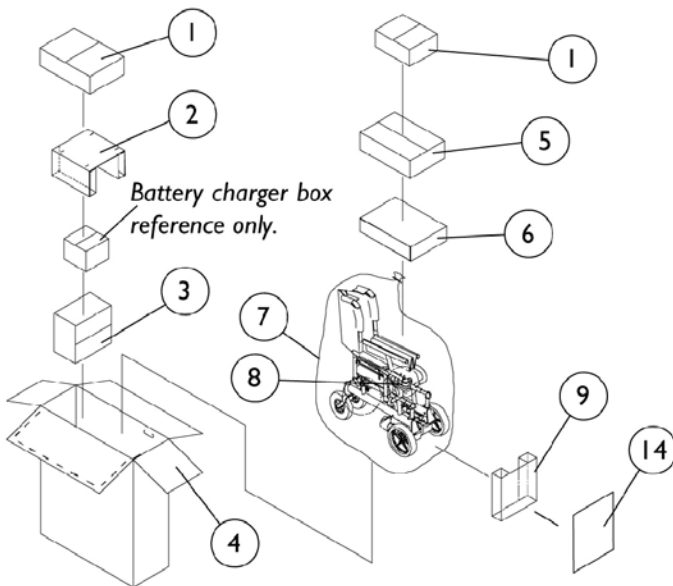
| Color Number | Color |
|--------------|---------------------------------|
| 72P | Twilight Sparkle |
| 73P | Gold Sparkle |
| 74P | Green Sparkle |
| 75P | Blue Sparkle |
| 76P | Red Sparkle |
| 88P | Wet Black with Twilight Sparkle |

Upholstery Options

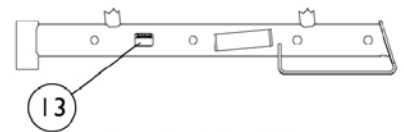
| Vinyl Colors | Nylon Colors |
|---------------|--------------|
| U67 Black | U240 Black |
| U75 Dove Grey | |
| U85 Dark Blue | |
| U86 Ruby | |
| U97 Sky Blue | |
| U88 Camel | |

Packaging - Literature - Decals

Sling Seat w/o Shrouds



Right/Left Outside of Frame



Left Inside of Frame

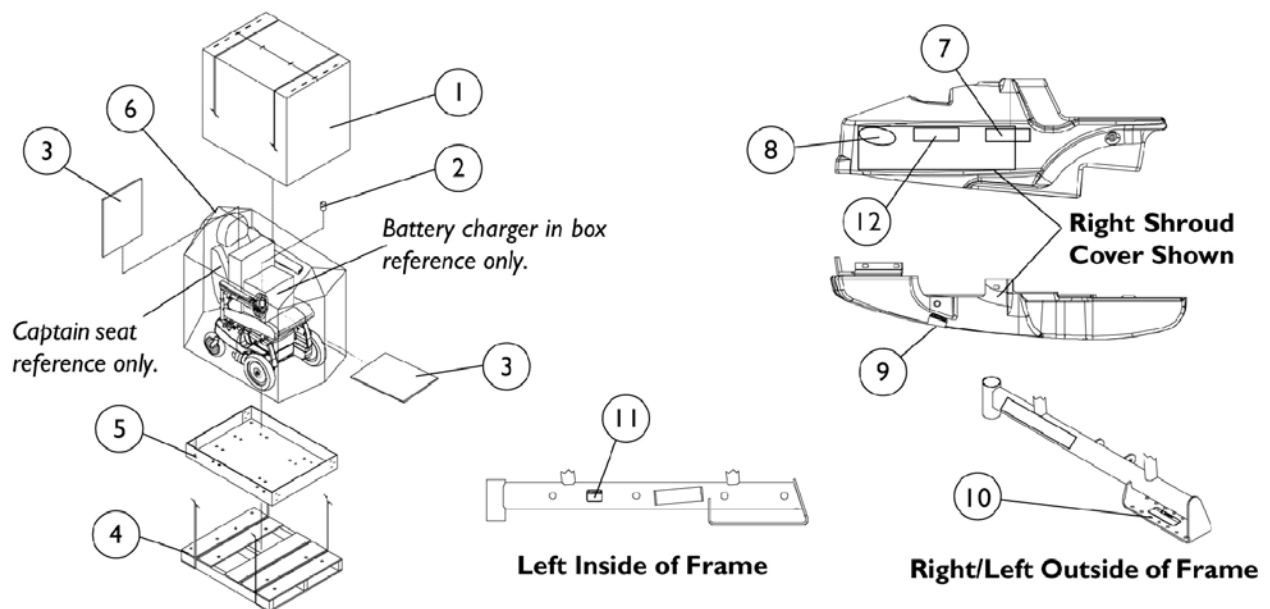
Packaging - Literature - Decals

Sling Seat w/o Shrouds

| Item Number | Note | Part Number | Description | Quantity Per | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------|---------------------------------------------|--------------|----------|
| | | | | Package | Assembly |
| 1 | | 40131X148 | Carton, Hardware | 1 | 1 |
| 2 | | 1074356-NLA | NLA - Insert, Carton | 1 | 1 |
| 3 | | 1023167-NLA | NLA - Carton, Battery Boxes | 1 | 1 |
| 4 | | 1074355-NLA | NLA - Carton | 1 | 1 |
| 5 | | 40131X011 | Carton, Front Riggings | 1 | 1 |
| 6 | | 1058833-NLA | NLA - Carton | 1 | 1 |
| 7 | | 1015592 | Bag, Poly (72" L x 35" W x 19" D) | 1 | 1 |
| 8 | | 1043198-NLA | NLA - Tube, Paper | 1 | 1 |
| 9 | | 1080739-NLA | NLA - Insert, Carton | 1 | 1 |
| 10 | A | 1090146-NLA | NLA - Decal, Invacare 3-D Logo (1-19/32" L) | 1 | 2 |
| 11 | A,B | 1095224-NLA | NLA - Decal, Model, Black - Ranger II | 1 | 2 |
| 11 | A | 1095225-NLA | NLA - Decal, Model, White - Ranger II | 1 | 2 |
| 11 | A,B | 1095232-NLA | NLA - Decal, Model, Black - Excel | 1 | 2 |
| 11 | A | 1095233 | Decal, Model, White - Excel | 1 | 2 |
| 11 | | 1090273-NLA | NLA - Decal, Model - R2 Junior | 1 | 2 |
| 12 | | 1080267-NLA | NLA - Decal, Warning Motor | 1 | 2 |
| 13 | | 1080266-NLA | NLA - Decal, Warning Controller | 1 | 1 |
| 14 | D | 40131X039-NLA | NLA - Insert, Carton | 1 | 1 |
| 15 | | 1097104-NLA | NLA - Decal - 250-S | 1 | 2 |
| | C | 1080265-NLA | NLA - Decal, FWD | 1 | 2 |
| | C | 1065145-NLA | NLA - Decal, Virtual Service | 1 | 2 |
| | C | 1035900 | Decal, Transportation | 1 | 1 |
| | C | 1119281-NLA | NLA - Plate, Name, Patent Numbers | 1 | 1 |
| | C,E | 1095272-NLA | NLA - Instruction Manual, MKIV RII | 1 | 1 |
| | C | 1080722-NLA | NLA - Owner's Manual - Ranger II and R2 jr. | 1 | 1 |
| | C | 1080737-NLA | NLA - Owner's Manual - P9000 and Excel | 1 | 1 |
| <p>NOTE: A - Invacare logo added and model decals changed 1/11/00. When replacing side frames before 1/11/00 order decals in pairs to match.</p> <p>B - Used for chairs with frame colors 02P, 29P, 30P, and 84P only.</p> <p>C - Not Shown</p> <p>D - R2 jr.</p> <p>E - Item is no longer available from the Invacare Service Parts Department. Refer to the Invacare Website under "Product Literature Search". Enter the part number in the "Keywords" field and download a free PDF version copy.</p> <p>NOTE: When adjusting or replacing parts, please refer to the Owner's Manual for assistance.</p> | | | | | |

Packaging - Literature - Decals

Sling Seat with Shrouds and Captain Seat



Packaging - Literature - Decals

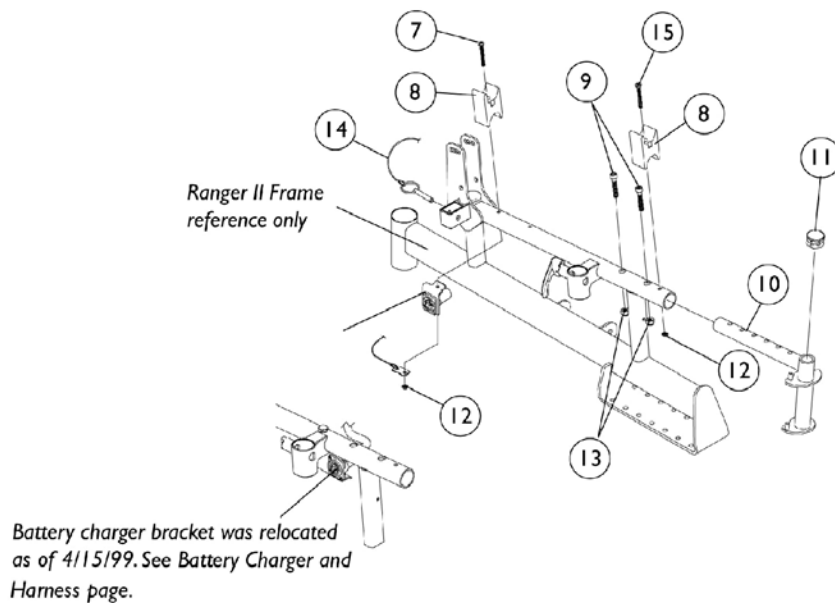
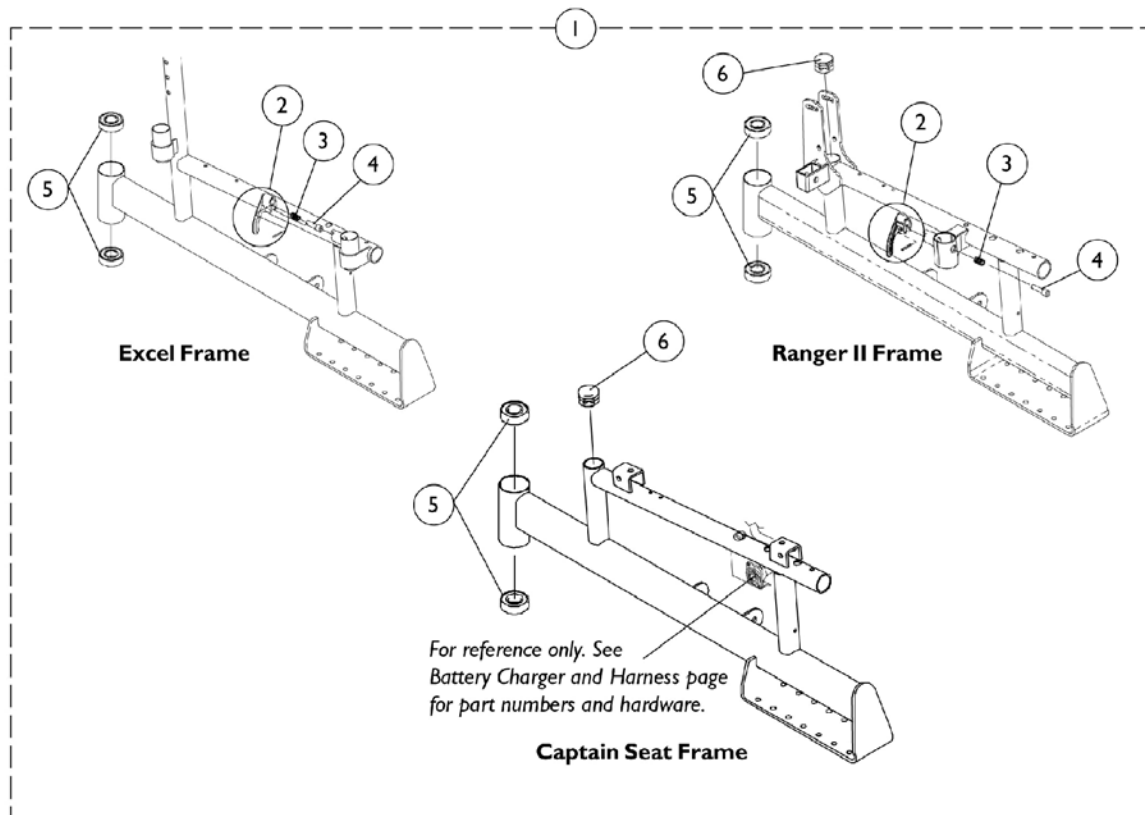
Sling Seat with Shrouds and Captain Seat

| Item Number | Note | Part Number | Description | Quantity Per | |
|-------------|------|-------------|---------------------------------------------|--------------|----------|
| | | | | Package | Assembly |
| 1 | D | 1030364 | Carton, Cover | 1 | 1 |
| 1 | C | 1031682 | Carton, Cover | 1 | 1 |
| 2 | | 1043198-NLA | NLA - Tube, Paper | 1 | 1 |
| 3 | | 40131X161 | Insert, Plain Pad | 1 | 1 |
| 4 | E | See Note | See Footnote | -- | -- |
| 5 | | 1030362 | Carton, Tray | 1 | 1 |
| 6 | | 1015592 | Bag, Poly (72" L x 35" W x 19" D) | 1 | 1 |
| 7 | A | 1095225-NLA | NLA - Decal, Model, White - Ranger II | 1 | 2 |
| 7 | A | 1095233 | Decal, Model, White - Excel | 1 | 2 |
| 7 | | 1090273-NLA | NLA - Decal, Model - R2 Junior | 1 | 2 |
| 8 | A | 1095489 | Decal, Invacare 3-D Logo (2-1/2" L) | 1 | 2 |
| 9 | C | 1076575-NLA | NLA - Decal, Caution, Limit Switch | 1 | 1 |
| 10 | | 1080267-NLA | NLA - Decal, Warning Motor | 1 | 2 |
| 11 | | 1080266-NLA | NLA - Decal, Warning Controller | 1 | 1 |
| 12 | | 1097104-NLA | NLA - Decal - 250-S | 1 | 2 |
| | B | 1080265-NLA | NLA - Decal, FWD | 1 | 2 |
| | B | 1065145-NLA | NLA - Decal, Virtual Service | 1 | 2 |
| | B | 1035900 | Decal, Transportation | 1 | 1 |
| | B | 1119281-NLA | NLA - Plate, Name, Patent Numbers | 1 | 1 |
| | B,F | 1095272-NLA | NLA - Instruction Manual, MKIV RII | 1 | 1 |
| | B | 1080722-NLA | NLA - Owner's Manual - Ranger II and R2 jr. | 1 | 1 |
| | B | 1080737-NLA | NLA - Owner's Manual - P9000 and Excel | 1 | 1 |
| | B | 1085398-NLA | NLA - Service Manual - Ranger II & R2 jr. | 1 | 1 |
| | B | 1085397 | Service Manual - Excel | 1 | 1 |

NOTE: A - Invacare logo added and model decals changed 1/11/00. When replacing shrouds before 1/11/00 order decals in pairs to match.
 B - Not Shown.
 C - Used on High Back Captain Seats Only.
 D - Sling Seat and Low Back Captain Seat.
 E - Wooden skid is not provided.
 F - Item is no longer available from the Invacare Service Parts Department. Refer to the Invacare Website under "Product Literature Search". Enter the part number in the "Keywords" field and download a free PDF version copy.

NOTE: When adjusting or replacing parts, please refer to your Owner's Manual for assistance.

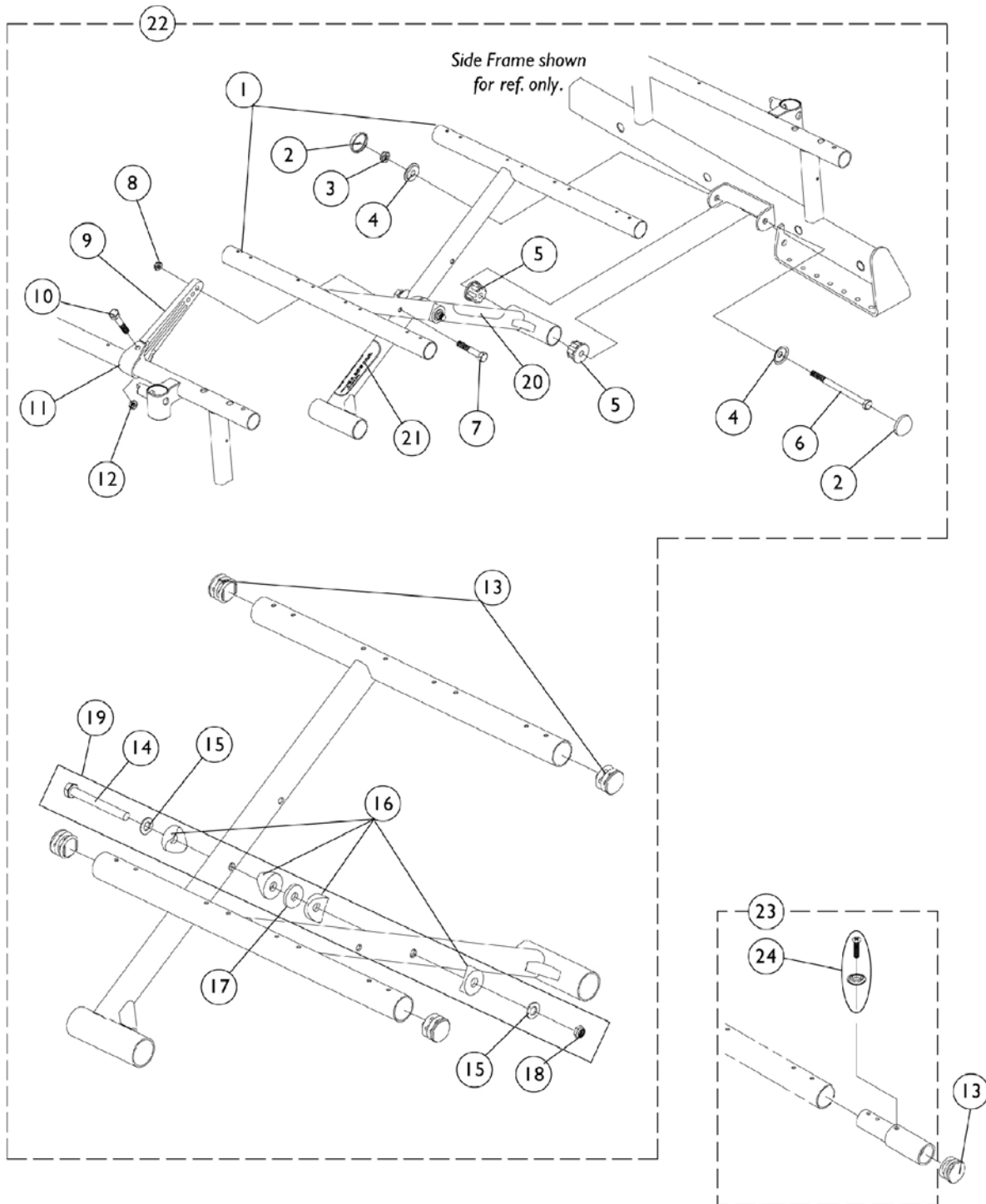
Side Frames & Hardware



Side Frames & Hardware

| Item Number | Note | Part Number | Description | Quantity Per | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------------|-------------------------------------------------|--------------|----------|
| | | | | Package | Assembly |
| 1 | A,B,C | 8881080260-NL A | NLA - Frame, Side with Hardware, Color - Right | 1 | 2 |
| 1 | A,B,C | 8881080261-NL A | NLA - Frame, Side with Hardware, Color - Left | 1 | 2 |
| 1 | A,B,D | 8881080734-NL A | NLA - Frame, Side with Hardware, Color - Right | 1 | 2 |
| 1 | A,B,D | 8881080735-NL A | NLA - Frame, Side with Hardware, Color - Left | 1 | 2 |
| 1 | A,B,E | 8881085258-NL A | NLA - Frame, Side with Hardware, Color - Right | 1 | 2 |
| 1 | A,B,E | 8881085259-NL A | NLA - Frame, Side with Hardware, Color - Left | 1 | 2 |
| 2 | | 1090768 | Kit, Lock Handle w/Rivets (Pair) | 2 | 1 |
| 3 | | 47471X074 | Spring, Arm Lock | 1 | 2 |
| 4 | | 1028594 | Pin, Arm Lock, Black | 1 | 2 |
| 5 | | 40117X006 | Bearing (5/8") | 1 | 4 |
| 6 | | 1029501 | Plug Button, Black (1") | 1 | 2 |
| 7 | | 1085124-NLA | NLA - Screw, Socket Flat Head (#10-32 x 1-3/4") | 1 | 4 |
| 8 | | 1007541 | Clamp, Seat | 1 | 4 |
| 9 | | 7930304-NLA | NLA - Screw, Socket Head (1/4-20 x 1-1/4") | 25 | 1 |
| 10 | | 1060099 | Hanger, Front Rigging, Black - Right | 1 | 2 |
| 10 | | 1060100 | Hanger, Front Rigging, Black - Left | 1 | 2 |
| 11 | | 1027097 | Plug Button, Black (3/4") | 1 | 2 |
| 12 | | 1025731 | Locknut (#10-32) | 1 | 3 |
| 13 | | 7930333 | Locknut (1/4-20) | 25 | 1 |
| 14 | | 1068039 | Pin, Pull | 1 | 2 |
| 15 | | 1085134-NLA | NLA - Screw, Socket Flat Head (#10-32 x 1-5/8") | 1 | 2 |
| NOTE: A - Specify frame color when ordering. See page titled, "Frame Finishes, Touch-Up Paint and Upholstery Options." B - Decals not included with frames. See page titled, "Packaging, Literature and Decals." C - Ranger II. D - Excel. E - Captain Seat. | | | | | |

Crossbraces, Seat Extensions & Hardware Sling Seat



Crossbraces, Seat Extensions & Hardware

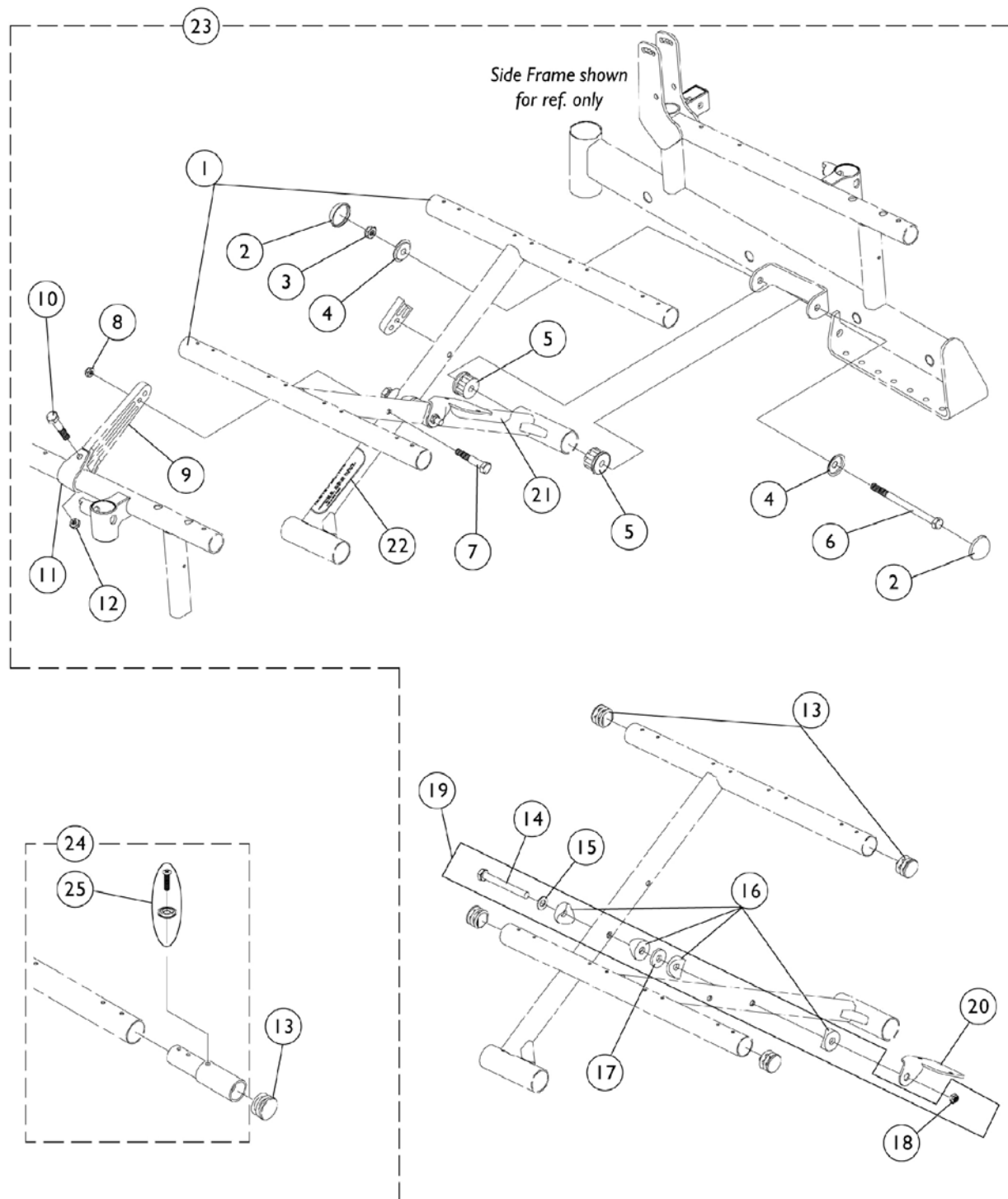
Sling Seat

| Item Number | Note | Part Number | Description | Quantity Per | |
|-------------|------|-------------|--------------------------------------------------|--------------|----------|
| | | | | Package | Assembly |
| 1 | A | 1080244-NLA | NLA - Crossbrace Assembly, Black - Right (16" W) | 1 | 2 |
| 1 | A | 1080245-NLA | NLA - Crossbrace Assembly, Black - Left (16" W) | 1 | 2 |
| 1 | A | 1080246-NLA | NLA - Crossbrace Assembly, Black - Right (18" W) | 1 | 2 |
| 1 | A | 1080247-NLA | NLA - Crossbrace Assembly, Black - Left (18" W) | 1 | 2 |
| 1 | A | 1080248-NLA | NLA - Crossbrace Assembly, Black - Right (20" W) | 1 | 2 |
| 1 | A | 1080249-NLA | NLA - Crossbrace Assembly, Black - Left (20" W) | 1 | 2 |
| 2 | | 1028835-NLA | NLA - Cap, Hub, Black | 1 | 4 |
| 3 | | 7930363-NLA | NLA - Package, Locknut (5/16"-24) | 25 | 1 |
| 4 | | 1028491 | Washer, Caplugs (11/32" I.D. x 1" O.D.) | 1 | 4 |
| 5 | | 1056708-NLA | NLA - Plug, Pivot Tube | 1 | 4 |
| 6 | | 1038179 | Screw, Hex Head (5/16-24 x 4-1/4") | 1 | 2 |
| 2-6 | B,C | 1057830-NLA | NLA - Hardware, Crossbrace Pivot Tube | 2 | 1 |
| 7 | | 1024793-NLA | NLA - Screw, Hex Head (1/4-20 x 1-3/4") | 1 | 2 |
| 8 | | 7930333 | Locknut (1/4-20) | 25 | 1 |
| 9 | | 1057382-NLA | NLA - Link, Pivot, Hemi, Black (16 - 18" W) | 1 | 2 |
| 9 | | 1057383-NLA | NLA - Link, Pivot, Hemi, Black (19 - 20" W) | 1 | 2 |
| 10 | | 1030949 | Screw, Hex Head (1/4-20 x 1-1/2") | 1 | 2 |
| 11 | | 1057828-NLA | NLA - Strap, Pivot Link | 1 | 2 |
| 12 | | 7930323 | Package, Locknut (1/4-20) | 25 | 1 |
| 13 | | 1029501 | Plug Button, Black (1") | 1 | 4 |
| 14 | | 1025705-NLA | NLA - Screw, Hex Head (5/16-24 x 3-1/4") | 1 | 1 |
| 15 | | 1025704 | Washer, Flat (5/16 x 5/8 x 1/16") | 1 | 2 |
| 16 | | 1016263 | Spacer, Coved (3/4 x 1 x 1/2") | 1 | 4 |
| 17 | | 7930313 | Package, Washer, Nylon (5/16 x 7/8 x 1/8") | 25 | 1 |
| 18 | | 7930330 | Locknut (5/16-24) | 25 | 1 |
| 19 | D | 1086180-NLA | NLA - Hardware, Crossbrace Center Bolt Attaching | 1 | 1 |
| 20 | | 1035900 | Decal, Transportation | 1 | 1 |
| 21 | | 1119281-NLA | NLA - Plate, Name, Patent Numbers | 1 | 1 |
| 22 | F,G | 1080728-NLA | NLA - Hardware, Crossbrace | 1 | 1 |
| 23 | H | 1058616-NLA | NLA - Seat Extension Kit - 1" (Pair) | 2 | 1 |
| 23 | I | 1058617 | Seat Extension Kit - 2" (Pair) | 2 | 1 |
| 24 | | 1026298 | Package, Screw with Washer (#10 x 7/8") (Pair) | 2 | 1 |
| 24 | | 1076284 | Screw w/ Washer (#10 x 7/8") | 1 | 2 |
| 24 | E | 40163X003 | Screw, Phillips Pan Head (#10 X 5/8") | 1 | 2 |

NOTE: A - Decals not included with frames. See page titled, "Packaging, Literature and Decals."
 B - Not Shown.
 C - Includes Items 2-6.
 D - Includes items 14-18.
 E - Solid Folding Seats Only.
 F - Less items 1-9.
 G - Includes items 2-8, 10-18, 20 and 21.
 H - For 17" Depth.
 I - For 18" Depth.

Crossbraces, Seat Extensions and Hardware

R2 jr. - 14" Wide - Sling Seat

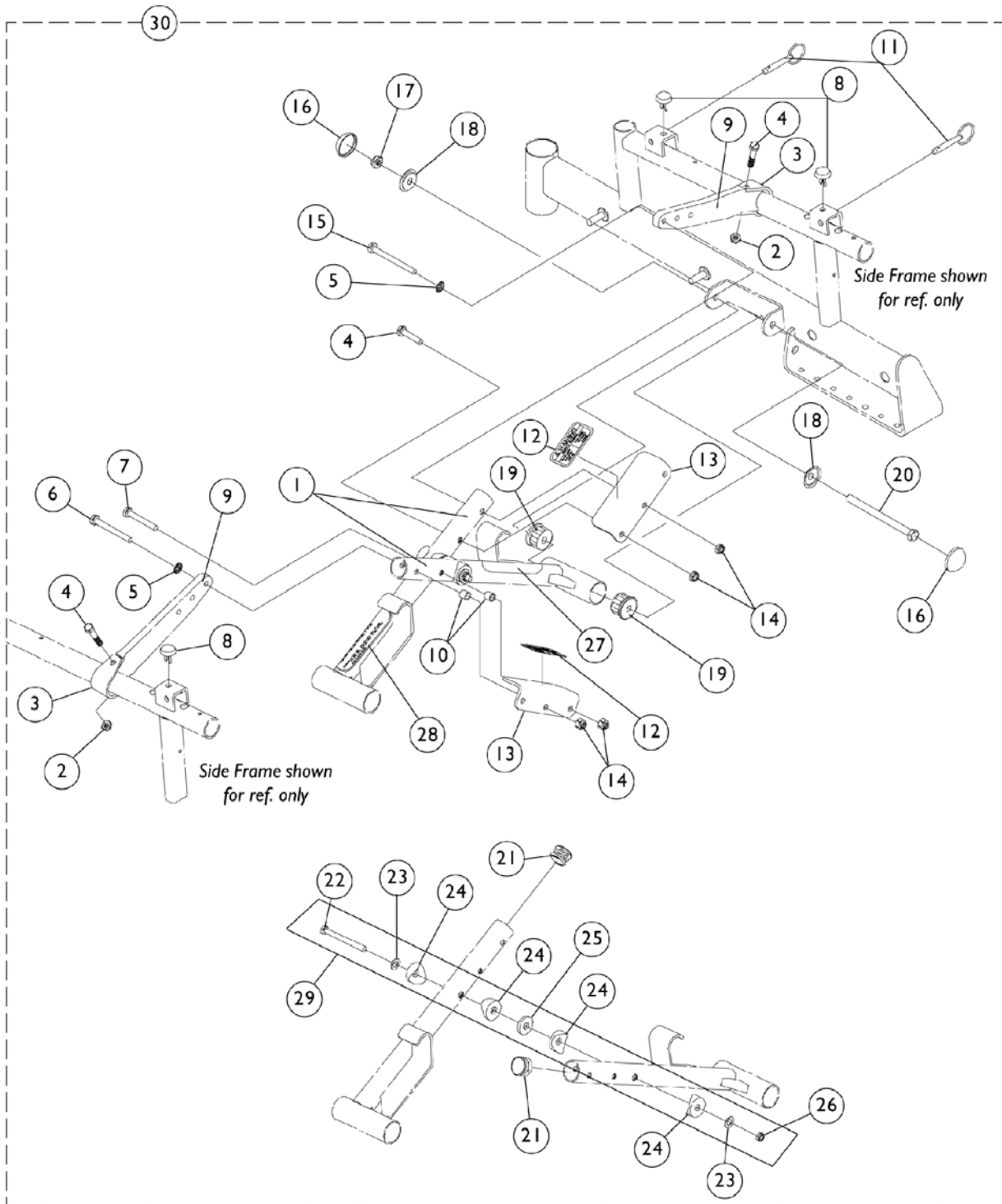


Crossbraces, Seat Extensions and Hardware

R2 jr. - 14" Wide - Sling Seat

| Item Number | Note | Part Number | Description | Quantity Per | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|--------------------------------------------------|--------------|----------|
| | | | | Package | Assembly |
| 1 | A | 1080253-NLA | NLA - Crossbrace Assembly, Black - Right (14" W) | 1 | 2 |
| 1 | A | 1080254-NLA | NLA - Crossbrace Assembly, Black - Left (14" W) | 1 | 2 |
| 2 | | 1028835-NLA | NLA - Cap, Hub, Black | 1 | 4 |
| 3 | | 7930363-NLA | NLA - Package, Locknut (5/16"-24) | 25 | 1 |
| 4 | | 1028491 | Washer, Caplugs (11/32" I.D. x 1" O.D.) | 1 | 4 |
| 5 | | 1056708-NLA | NLA - Plug, Pivot Tube | 1 | 4 |
| 6 | | 1038179 | Screw, Hex Head (5/16-24 x 4-1/4") | 1 | 2 |
| 2-6 | B,E | 1057830-NLA | NLA - Hardware, Crossbrace Pivot Tube | 2 | 1 |
| 7 | | 1024793-NLA | NLA - Screw, Hex Head (1/4-20 x 1-3/4") | 1 | 2 |
| 8 | | 7930333 | Locknut (1/4-20) | 25 | 1 |
| 9 | | 1057381-NLA | NLA - Link, Pivot, Hemi, Black (14 - 15" W) | 1 | 2 |
| 10 | | 1030949 | Screw, Hex Head (1/4-20 x 1-1/2") | 1 | 2 |
| 11 | | 1057828-NLA | NLA - Strap, Pivot Link | 1 | 2 |
| 12 | | 7930323 | Package, Locknut (1/4-20) | 25 | 1 |
| 13 | | 1029501 | Plug Button, Black (1") | 1 | 4 |
| 14 | | 1025705-NLA | NLA - Screw, Hex Head (5/16-24 x 3-1/4") | 1 | 1 |
| 15 | | 1025704 | Washer, Flat (5/16 x 5/8 x 1/16") | 1 | 1 |
| 16 | | 1016263 | Spacer, Coved (3/4 x 1 x 1/2") | 1 | 4 |
| 17 | | 7930313 | Package, Washer, Nylon (5/16 x 7/8 x 1/8") | 25 | 1 |
| 18 | | 7930330 | Locknut (5/16-24) | 25 | 1 |
| 19 | C | 1086180-NLA | NLA - Hardware, Crossbrace Center Bolt Attaching | 1 | 1 |
| 20 | | 1086176-NLA | NLA - Bracket, Wire Connector Support, Black | 1 | 1 |
| 21 | | 1035900 | Decal, Transportation | 1 | 1 |
| 22 | | 1119281-NLA | NLA - Plate, Name, Patent Numbers | 1 | 1 |
| 23 | D | 1086177-NLA | NLA - Hardware, Crossbrace | 1 | 1 |
| 24 | F | 1058616-NLA | NLA - Seat Extension Kit - 1" (Pair) | 2 | 1 |
| 24 | G | 1058617 | Seat Extension Kit - 2" (Pair) | 2 | 1 |
| 25 | | 1026298 | Package, Screw with Washer (#10 x 7/8") (Pair) | 2 | 1 |
| 25 | | 1076284 | Screw w/ Washer (#10 x 7/8") | 1 | 2 |
| NOTE: A - Decals not included with frames. See page titled, "Packaging, Literature and Decals." B - Not Shown. C - Includes Items 14-18. D - Includes Items 2-8, 10-18, 20-22, Less Items 1 and 9. E - Includes Items 2-6. F - For 17" Depth. G - For 18" Depth. | | | | | |

Crossbraces & Hardware Captain Seat



Crossbraces & Hardware

Captain Seat

| Item Number | Note | Part Number | Description | Quantity Per | |
|-------------|------|-------------|------------------------------------------------------------|--------------|----------|
| | | | | Package | Assembly |
| 1 | A | 1086798-NLA | NLA - Crossbrace, Captain Seat, Black - Right (18" W) | 1 | 2 |
| 1 | A | 1086799-NLA | NLA - Crossbrace, Captain Seat, Black - Left (18" W) | 1 | 2 |
| 2 | | 7930323 | Package, Locknut (1/4-20) | 25 | 1 |
| 3 | | 1057828-NLA | NLA - Strap, Pivot Link | 1 | 2 |
| 4 | | 1030949 | Screw, Hex Head (1/4-20 x 1-1/2") | 1 | 2 |
| 5 | | 1026900 | Washer (1/4 x 23/32 x 1/16") | 1 | 2 |
| 6 | | 1026154-NLA | NLA - Screw, Hex Head (1/4-20 x 2-1/4") | 1 | 1 |
| 7 | | 1024793-NLA | NLA - Screw, Hex Head (1/4-20 x 1-3/4") | 1 | 2 |
| 8 | | 1071604-NLA | NLA - Bumper, Nylon | 1 | 4 |
| 9 | | 1057382-NLA | NLA - Link, Pivot, Hemi, Black (16 - 18" W) | 1 | 2 |
| 10 | | 1031884-NLA | NLA - Bushing, Black or Color Chairs (9/32 x 3/8 x 11/32") | 1 | 2 |
| 11 | | 1071602 | Pin, Anchor (Captain Seat) | 1 | 4 |
| 12 | | 1074142-NLA | NLA - Decal, Crossbrace | 1 | 2 |
| 13 | A | 1086800-NLA | NLA - Bracket, Push, Black | 1 | 2 |
| 14 | | 7930333 | Locknut (1/4-20) | 25 | 1 |
| 15 | | 1024796 | Screw, Hex Head (1/4-20 x 2") | 1 | 1 |
| 16 | | 1028835-NLA | NLA - Cap, Hub, Black | 1 | 4 |
| 17 | | 7930363-NLA | NLA - Package, Locknut (5/16"-24) | 25 | 1 |
| 18 | | 1028491 | Washer, Caplugs (11/32" I.D. x 1" O.D.) | 1 | 4 |
| 19 | | 1056708-NLA | NLA - Plug, Pivot Tube | 1 | 4 |
| 20 | | 1038179 | Screw, Hex Head (5/16-24 x 4-1/4") | 1 | 2 |
| 16-20 | B,C | 1057830-NLA | NLA - Hardware, Crossbrace Pivot Tube | 2 | 1 |
| 21 | | 1029501 | Plug Button, Black (1") | 1 | 2 |
| 22 | | 1025705-NLA | NLA - Screw, Hex Head (5/16-24 x 3-1/4") | 1 | 1 |
| 23 | | 1025704 | Washer, Flat (5/16 x 5/8 x 1/16") | 1 | 2 |
| 24 | | 1016263 | Spacer, Coved (3/4 x 1 x 1/2") | 1 | 4 |
| 25 | | 7930313 | Package, Washer, Nylon (5/16 x 7/8 x 1/8") | 25 | 1 |
| 26 | | 7930330 | Locknut (5/16-24) | 25 | 1 |
| 27 | | 1035900 | Decal, Transportation | 1 | 1 |
| 28 | | 1119281-NLA | NLA - Plate, Name, Patent Numbers | 1 | 1 |
| 29 | D | 1086180-NLA | NLA - Hardware, Crossbrace Center Bolt Attaching | 1 | 1 |
| 30 | E | 1082683-NLA | NLA - Hardware, Crossbrace | 1 | 1 |

NOTE: A - Decals not included with frames. See page titled, "Packaging, Literature and Decals."

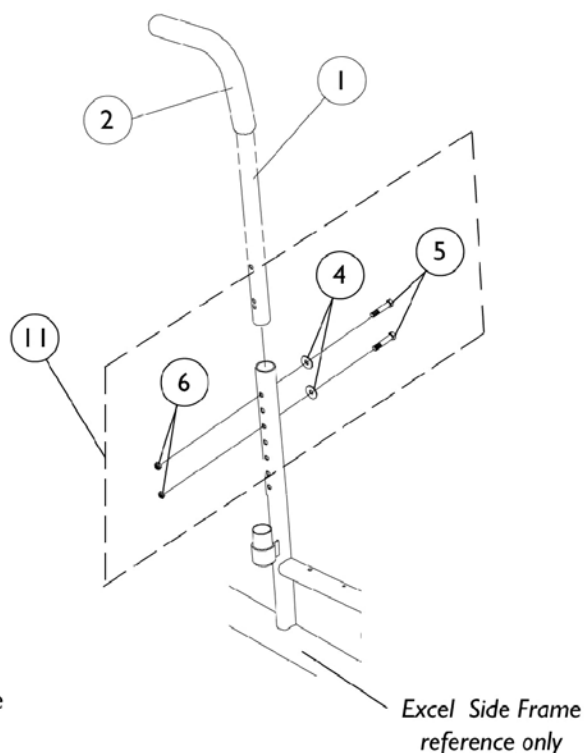
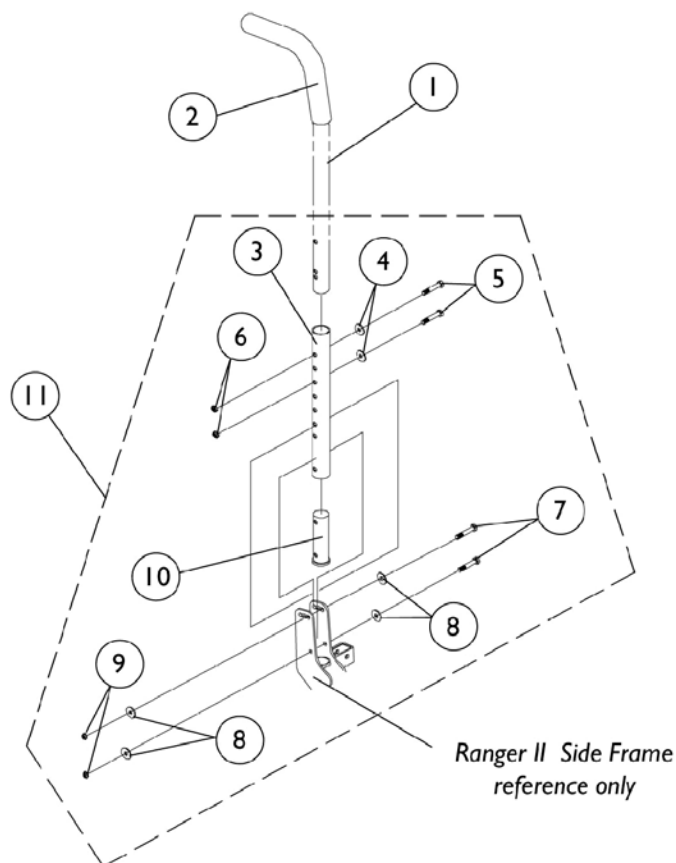
B - Not Shown.

C - Includes Items 16-20.

D - Includes Items 22-26.

E - Includes Items 2-8 and 10-28. Less items 1 and 9.

Back Canes & Attaching Hardware Sling Seat Only



| Item Number | Note | Part Number | Description | Quantity Per | |
|-------------|------|-------------|------------------------------------------------------|--------------|----------|
| | | | | Package | Assembly |
| 1 | | 1028372 | Back Cane Assembly, 10 Degree Bend | 1 | 2 |
| 2 | | 1006229 | Grip, Foam (8") | 1 | 2 |
| 3 | | 1071565-NLA | NLA - Tube, Rear Upright, Black | 1 | 2 |
| 4 | | 1026907 | Washer (1/4 x 1/2 x 1/16") | 1 | 4 |
| 5 | | 1057955 | Screw, Hex Head (1/4-20 x 1-1/4") | 1 | 4 |
| 6 | | 7930323 | Package, Locknut (1/4-20) | 25 | 1 |
| 7 | | 1055348 | Screw, Hex Head (1/4-28 x 1-3/4") | 1 | 4 |
| 8 | | 1026900 | Washer (1/4 x 23/32 x 1/16") | 1 | 8 |
| 9 | | 7930345 | Locknut (1/4-28) | 25 | 1 |
| 10 | | 1071488-NLA | NLA - Insert, Threaded | 1 | 2 |
| 11 | A | 1079389-NLA | NLA - Hardware, Back Cane Mounting, Ranger II (Pair) | 2 | 1 |
| 11 | B | 1057956-NLA | NLA - Hardware, Back Cane Mounting, Excel (Pair) | 2 | 1 |

NOTE: A - Includes items 3-10.
B - Includes Items 4-6.

Seat and Back Upholstery

Seat Upholstery - Nylon Standard on RII and Excel

| Width | 16" Deep | 17" Deep | 18" Deep |
|-------|----------|-------------|-------------|
| 14" W | 1016315 | 1016316-NLA | 1016317-NLA |
| 16" W | 1016321 | 1016322 | 1016323 |
| 18" W | 1016327 | 1016328 | 1016329 |
| 20" W | 1017643 | 1017646 | 1017649 |

Seat Upholstery - Vinyl (Option on RII and Excel)

| Width | 16" Deep | 17" Deep | 18" Deep |
|-------|---------------------------------|---------------------------------|---------------------------------|
| 14" W | 8881024417-NLA See Note(s) A | 8881024418-NLA See Note(s) A | 8881024419-NLA See Note(s) A |
| 16" W | 8881024423-NLA See Note(s) A | 8881024424-NLA See Note(s) A | 8881024134-NLA See Note(s) A |
| 18" W | 8881024132-NLA See Note(s) A | 8881024137-NLA See Note(s) A | 8881024138-NLA See Note(s) A |
| 20" W | 8881024129-NLA See Note(s) A | 8881024141-NLA See Note(s) A | 8881024142-NLA See Note(s) A |

NOTE: A - Specify upholstery color when ordering. See page titled, "Frame Finishes, Touch-Up Paints and Upholstery Options."

Seat and Back Upholstery

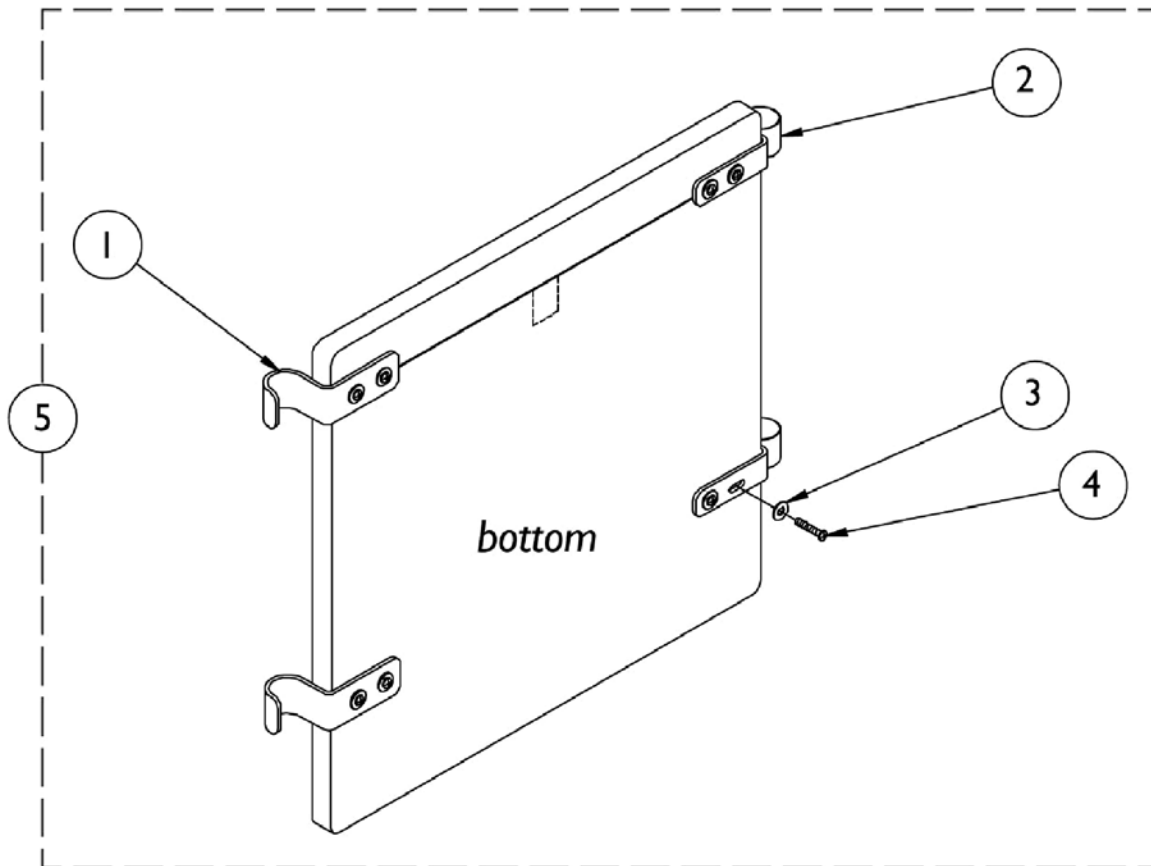
Back Upholstery

| Width | Nylon | Vinyl |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------------------------------|
| 14" W | 1060611 | 8881058352-NLA See Note(s) A, B |
| 16" W | 1060612 | 8881058353-NLA See Note(s) B, A |
| 18" W | 1060613 | 8881058354 See Note(s) B, A |
| 20" W | 1060614 | 8881058355 See Note(s) B, A |
| NOTE: A - Specify frame color when ordering. See page titled, "Frame Finishes, Touch-Up Paints and Upholstery Options." B - Vinyl is optional on RII and Excel models | | |

Attaching Hardware - Back and Seat Upholstery

| Back Upholstery Hardware | Seat Upholstery Hardware |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------|
| 1029850 | 1057950 |
| Package consists of: (2) ea. Screw with Washer (10 x 7/8") (2) ea. Cable Ties | Package consists of: (8) ea. Screw with Washer (10 x 7/8") |

Solid Folding Seats & Inserts



Solid Folding Seats

Solid Folding Seats & Inserts

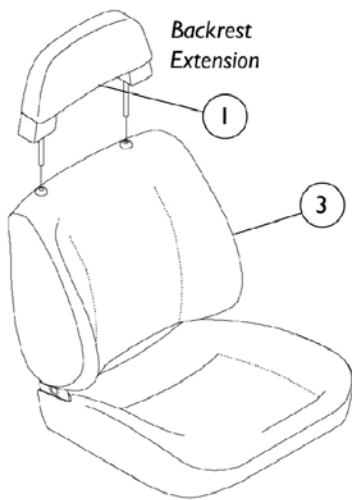
| Item Number | Note | Part Number | Description | Quantity Per | |
|----------------------------------------------------------------------------------------------------------------------------------------------|------|----------------|-------------------------------------------------------------|--------------|----------|
| | | | | Package | Assembly |
| 1 | | 1016771-NLA | NLA - Hook, Seat | 1 | 2 |
| 2 | | 1016770 | Bracket, Seat, Chrome | 1 | 2 |
| 3 | | 1013218 | Washer (#10 Flat) | 1 | 8 |
| 4 | | 7930360-NLA | NLA - Package, Screw, Phillips Pan Head (#10-32 x 11/16") | 25 | 1 |
| 5 | A | 8881110378-NLA | NLA - Solid Folding Seat w/ Hardware, Vinyl (16" W x 16" D) | 1 | 1 |
| 5 | A | 8881110379 | Solid Folding Seat w/ Hardware, Vinyl (18" W x 16" D) | 1 | 1 |
| 5 | A | 8881110372 | Solid Folding Seat w/ Hardware, Nylon (20" W x 16" D) | 1 | 1 |
| 5 | A | 8881035936 | Solid Folding Seat w/ Hardware, Nylon (20" W x 18" D) | 1 | 1 |
| | B | See Chart | Solid Seat Inserts | 1 | 1 |
| NOTE: A - Specify upholstery color when ordering. See page titled, "Frame Finishes, Touch-Up Paint and Upholstery Options." B - Not Shown | | | | | |
| NOTE: Solid Folding Seats measure two inches narrower than actual seat width. | | | | | |

Solid Seat Inserts

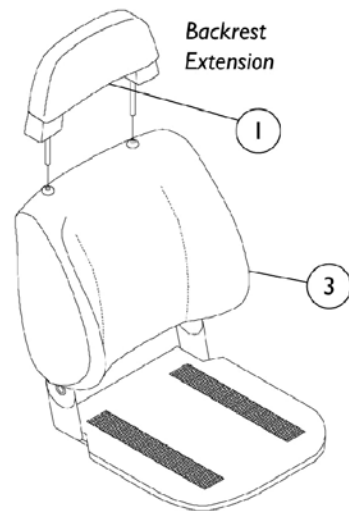
| Chair | Upholstery Type | |
|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------|---------------------------------|
| Width x Depth | Nylon | Vinyl |
| 16 x 16" | 8881052563 See Note(s) A | 8881034648 See Note(s) A |
| 16 x 17" | 8881052564 See Note(s) A | 8881034657-NLA See Note(s) A |
| 16 x 18" | 8881052565 See Note(s) A | 8881034666 See Note(s) A |
| 18 x 16" | 8881052569 See Note(s) A | 8881034650 See Note(s) A |
| 18 x 17" | 8881052570 See Note(s) A | 8881034659 See Note(s) A |
| 18 x 18" | 8881052571 See Note(s) A | 8881034668 See Note(s) A |
| 20 x 16" | 8881052575 See Note(s) A | 8881034652-NLA See Note(s) A |
| 20 x 17" | 8881052576 See Note(s) A | 8881034661-NLA See Note(s) A |
| 20 x 18" | 8881052577 See Note(s) A | 8881034670 See Note(s) A |
| NOTE: A - Specify upholstery color when ordering. See page titled, "Frame Finishes, Touch-Up Paint and Upholstery Options." | | |
| NOTE: Solid Folding Seats measure two inches narrower than actual seat width. | | |

Captain Seat Assembly

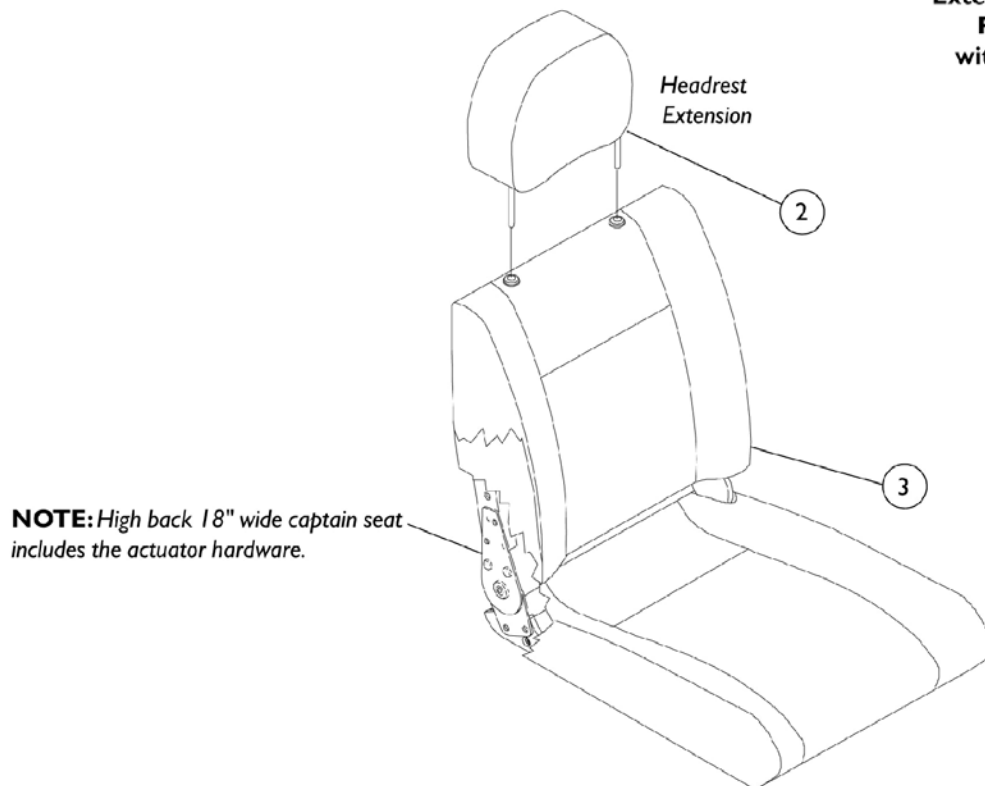
(Before 9/1/02)



Extended Back 18" Wide



**Extended Back, Forward
Folding 18" Wide
with Solid Seat Base**



High Back 18" Wide with Full Recline

Captain Seat Assembly (Before 9/1/02)

Item #1 - Extended Back Backrest

| Extended Back Backrest (E.B.) | Grey Fabric/Vinyl | All Grey Vinyl | Brunswick Buff All Tan Vinyl |
|-----------------------------------------------------------------------------------|----------------------------------|------------------------------|---------------------------------|
| E.B. Before 8/4/99 and Forward Folding Before 5/12/00 | 1078997-NLA See Note(s) A | N/A | N/A |
| E.B. After 8/3/99 and Forward Folding After 5/11/00 | 1090374-NLA See Note(s) B | N/A | N/A |
| E.B. Before 7/22/99 | N/A | 1081285-NLA See Note(s) A | 1086109-NLA See Note(s) A |
| E.B. After 7/21/99 | N/A | 1090375-NLA See Note(s) B | 1090376-NLA See Note(s) B |
| NOTE: A - 9" Backrest Post Spacing. B - 4-3/4" Backrest/Headrest Post Spacing. | | | |

Item #2 - High Back Headrest

| Headrest | Grey Fabric/Vinyl | All Grey Vinyl | Brunswick Buff All Tan Vinyl |
|-----------------------------------------------------------------------------------------|------------------------------|------------------------------|---------------------------------|
| Headrest, High Back Before 8/16/99 | 1071576-NLA See Note(s) C | N/A | N/A |
| Headrest, High Back After 8/15/99 | 1090379-NLA See Note(s) B | N/A | N/A |
| Headrest, High Back | N/A | 1090380-NLA See Note(s) C | N/A |
| NOTE: B - 4-3/4" Backrest/Headrest Post Spacing. C - 4-23/32" Headrest Post Spacing. | | | |

Captain Seat Assembly

(Before 9/1/02)

Item #3 - 18" Wide Extended Back Captain Seat

| Captain Seat - Extended Back | Grey Fabric/Vinyl | All Grey Vinyl | Brunswick Buff All Tan Vinyl |
|---------------------------------------|---------------------------------|---------------------------------|---------------------------------|
| Before 8/4/99 | 1078965-NLA See Note(s) D | N/A | N/A |
| After 8/3/99 | 1090371-NLA See Note(s) E, D | N/A | N/A |
| Before 7/22/99 | N/A | 1081284-NLA See Note(s) D | 1086108-NLA See Note(s) D |
| After 7/21/99 | N/A | 1090372-NLA See Note(s) E, D | 1090373-NLA See Note(s) E, D |
| and Forward Folding Before 5/12/00 | 1085104-NLA See Note(s) D | N/A | N/A |
| and Forward Folding After 5/11/00 | 1090370-NLA See Note(s) E, D | N/A | N/A |

NOTE: D - For Captain Seats marked NLA, use Captain Seats dated after 8/31/02 as replacements.
E - Backrest/Headrest post spacing changed. When replacing seat assemblies made before the date specified, a new style backrest or headrest must be ordered as well to match.

NOTE: When converting between high back and extended back captain seats, the wiring harness will also need to be converted. See page titled "Battery Charger and Harnesses".

Item #3 - 18" Wide High Back Captain Seat

| Captain Seat - High Back | Grey Fabric/Vinyl | All Grey Vinyl | Brunswick Buff All Tan Vinyl |
|--------------------------------------|------------------------------------|---------------------------------|---------------------------------|
| 18" Wide High Back Before 8/16/99 | 1070456-NLA See Note(s) F, D | N/A | N/A |
| 18" Wide High Back After 8/15/99 | 1091068-NLA See Note(s) F, E, D | N/A | N/A |
| 18" Wide High Back | N/A | 1091069-NLA See Note(s) F, D | N/A |

NOTE: D - For Captain Seats marked NLA, use Captain Seats dated after 8/31/02 as replacements.
E - Backrest/Headrest post spacing changed. When replacing seat assemblies made before the date specified, a new style backrest or headrest must be ordered as well to match.
F - High back 18" wide captain seats includes all actuator attaching hardware (LESS) the limit switch sensor harness #1074983. See page titled "Captain Seat Frame and Actuator Hardware".

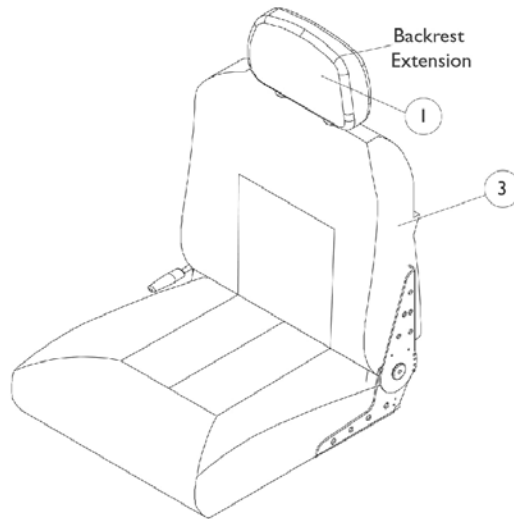
NOTE: When converting between high back and extended back captain seats, the wiring harness will also need to be converted. See page titled "Battery Charger and Harnesses".

Captain Seat Assembly

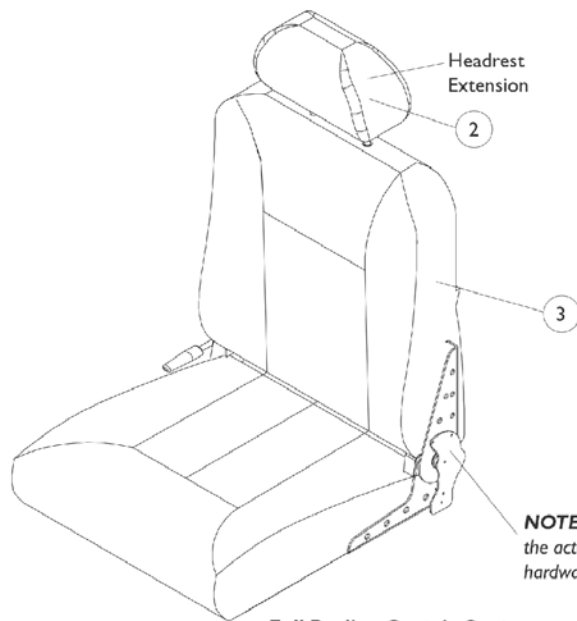
(After 8/31/02)

Captain Seats recline approximately 90° - 114° for semi recline backs and 90° - 170° for full recline back models. Adjustable depths are (16, 17, 18" deep for 18" wide seats).

Recline release levers are standard on the right side. Semi recline left side release levers can be ordered as a special with a new captain seat. All full recline captain seats must be ordered as a "special order" to have the limit switch sensor actuator hardware mounted on the right side.



Semi Recline Captain Seat



NOTE: Full recline captain seats **do not include** the actuator hardware. See seat frame and actuator hardware page.

Full Recline Captain Seat

Captain Seat Assembly

(After 8/31/02)

Captain Seats recline approximately 90° - 114° for semi recline backs and 90° - 170° for full recline back models. Adjustable depths are (16, 17, 18" deep for 18" wide seats).

Recline release levers are standard on the right side. Semi recline left side release levers can be ordered as a special with a new captain seat. All full recline captain seats must be ordered as a "special order" to have the limit switch sensor actuator hardware mounted on the right side.

Backrest/Headrest Extensions and Captain Seat Assemblies

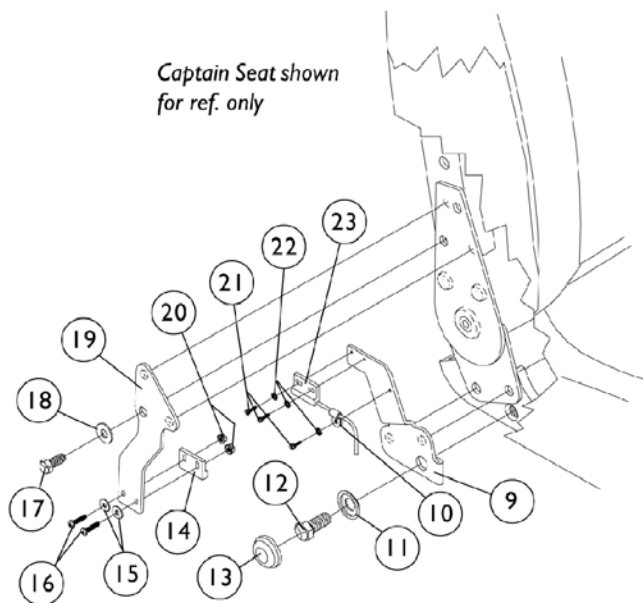
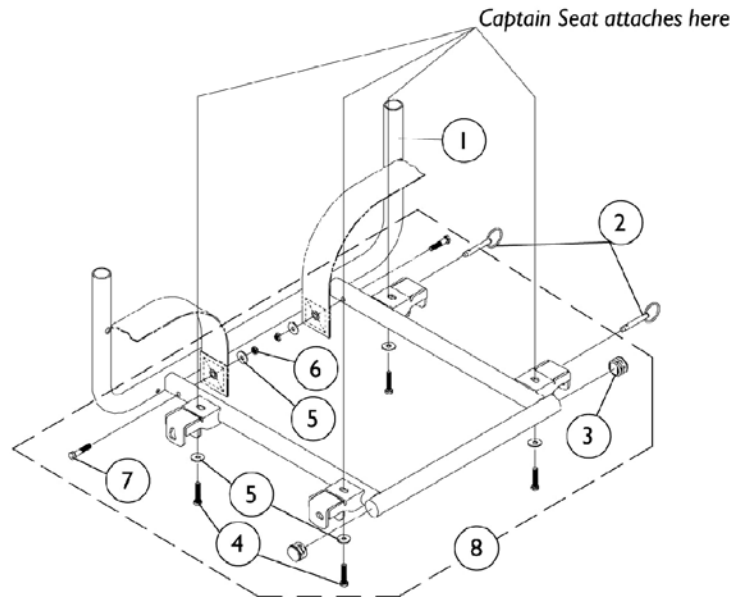
| Item Number | Description | All Grey Fabric | All Grey Vinyl | All Tan Vinyl |
|-------------|---------------------------------------------|-----------------|----------------|---------------|
| 1 | Backrest - For Semi Recline | 1106969-NLA | 1108408 | 1106968-NLA |
| 2 | Headrest - For Full Recline | 1106967 | 1108409 | 1106966 |
| 3 | 18" Wide - Semi Recline with Backrest | 1109254-NLA | 1109242 | 1109248-NLA |
| 3 | 18" Wide - Full Recline with Backrest | 1109257 | 1109245-NLA | 1109251 |

NOTE: When converting from a semi recline to a full recline captin seat, a limit switch sensor harness part # 1074983 must be ordered as well. See page titled "Captain Seat Frame and Actuator Hardware."

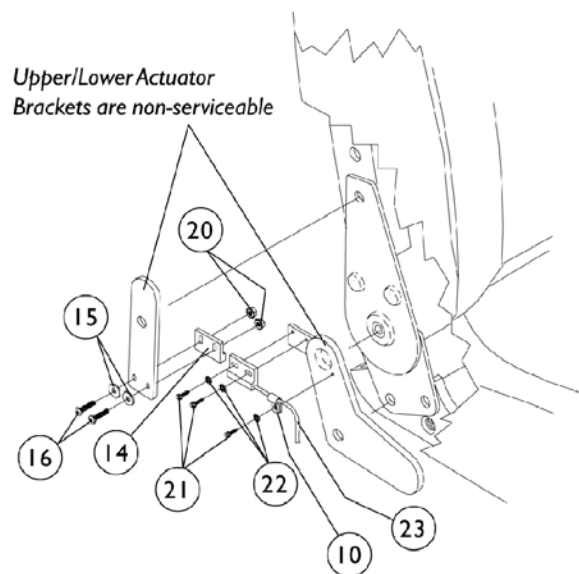
NOTE: Actuator mounting hardware is not included with captain seat, see page titled, "Captain Seat Frame and Actuator Hardware."

NOTE: New seat mounting screws #1025713 in (4) are required when converting a captain seat available before 9/1/02 to a captain seat available after 8/31/02.

Captain Seat Frame and Actuator Hardware (Before 9/1/02)



**Actuator Attaching Hardware
Before 8/16/99
(High Back 18" Wide Models Only)**



**Actuator Attaching Hardware
After 8/15/99
(High Back 18" Wide Models Only)**

Captain Seat Frame and Actuator Hardware (Before 9/1/02)

| Item Number | Note | Part Number | Description | Quantity Per | |
|-------------|------|-------------|--------------------------------------------------------------------------------|--------------|----------|
| | | | | Package | Assembly |
| 1 | | 1070751-NLA | NLA - Frame, Seat, Color | 1 | 1 |
| 2 | | 1071602 | Pin, Anchor (Captain Seat) | 1 | 4 |
| 3 | | 1029501 | Plug Button, Black (1") | 1 | 2 |
| 4 | B | 1071603-NLA | NLA - Screw, Hex Head w/ Patch (M6 x 1 x 20mm) | 1 | 4 |
| 4 | C | 1045267 | Screw, Hex Head w/ Patch (1/4-20 x 3/4") | 1 | 4 |
| 5 | | 1026900 | Washer (1/4 x 23/32 x 1/16") | 1 | 6 |
| 6 | | 7930333 | Locknut (1/4-20) | 25 | 2 |
| 7 | | 1037610 | Screw, Hex Head (1/4-20 x 1-5/8") | 1 | 2 |
| 8 | B,D | 1074115-NLA | NLA - Hardware, Seat Mounting, Extended Backs (18" W) | 1 | 1 |
| 8 | C,D | 1079207-NLA | NLA - Hardware, Seat Mounting, Extended Backs and Forward Folding Seat (18" W) | 1 | 1 |
| 9 | | 1076392-NLA | Bracket, Lower Limit Switch Sensor, Black | 1 | 1 |
| 10 | | 1098624-NLA | NLA - Clamp, Cable | 1 | 1 |
| 11 | | 1016289 | Washer, Caplugs (15/32" I.D. x 1-3/32" O.D.) | 1 | 1 |
| 12 | | 1076568 | Screw, Hex Head (7/16-20 x 1") | 1 | 1 |
| 13 | | 1016291 | Cap, Hub, Black | 1 | 1 |
| 14 | | 1024001 | Sensor, Actuator Switch | 1 | 1 |
| 15 | | 16348X007 | Rivet Washer (1/8 x 3/8 x 1/16") | 1 | 2 |
| 16 | | 1074128 | Screw, Phillips Pan Head (#4-40 x 7/16") | 1 | 2 |
| 17 | | 7930322-NLA | NLA - Package, Screw, Hex Head (M8 x 1.25 x 20mm) | 25 | 1 |
| 18 | | 7930358-NLA | NLA - Washer, Steel (5/16 x 3/4 x 1/16") | 25 | 1 |
| 19 | | 1076394 | Bracket, Upper Limit Sensor Switch | 1 | 1 |
| 20 | | P0870X000 | Nut, Hex Keps (#4-40) | 1 | 2 |
| 21 | | 1025116-NLA | NLA - Screw, Slotted Hex Washer Head Tap (#4-3/8") | 1 | 3 |
| 22 | | 1008525-NLA | NLA - Washer, Internal Tooth Lock (#4-40) | 1 | 3 |
| 23 | A | 1074983 | Cable, Limit Switch Sensor | 1 | 1 |

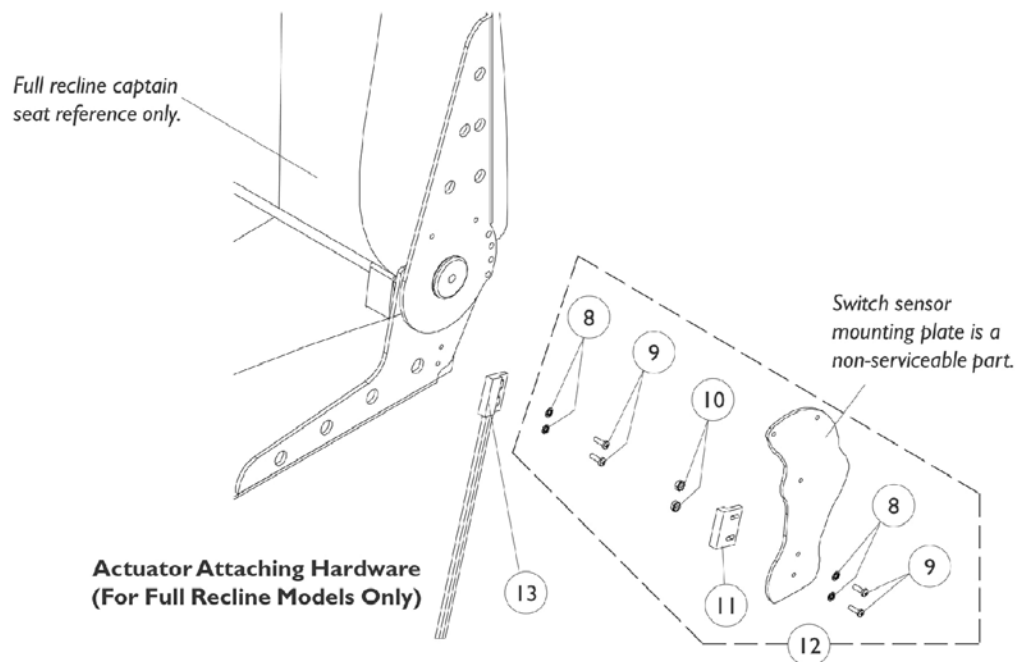
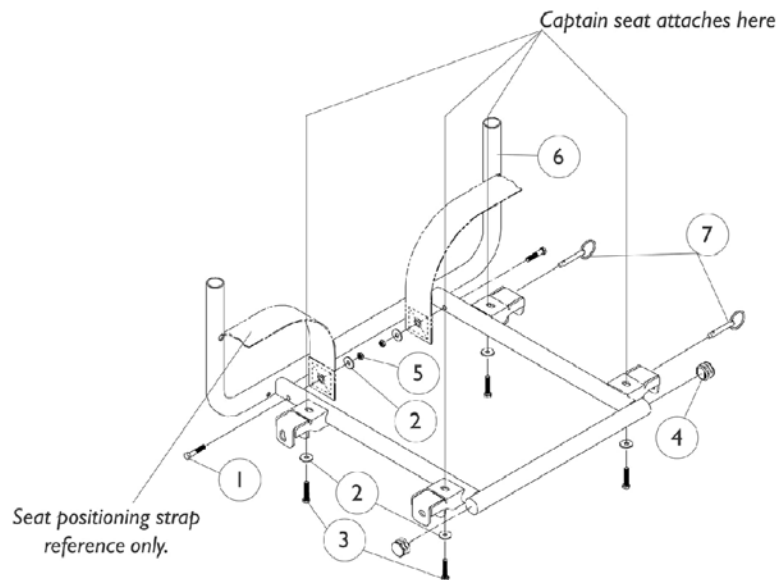
NOTE: A - Item number 23 is not included with a high back seat assembly.

B - High Backs 18" Wide.

C - Extended Backs and Forward Folding Seats 18" Wide.

D - Includes Items 3-7.

Captain Seat Frame & Actuator Hardware (After 8/31/02)

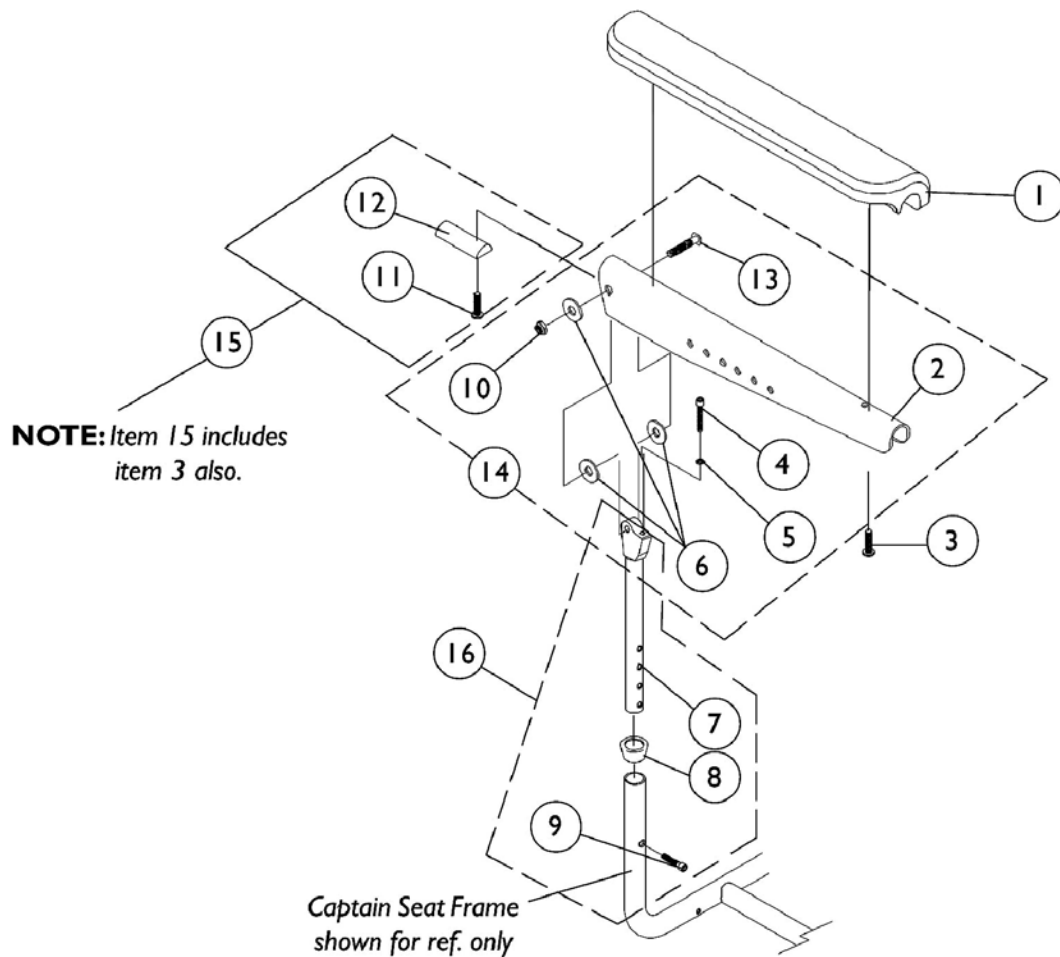


Captain Seat Frame & Actuator Hardware (After 8/31/02)

| Item Number | Note | Part Number | Description | Quantity Per | |
|------------------------------------------------------------------------------------------------------|------|-------------|--------------------------------------------------------|--------------|----------|
| | | | | Package | Assembly |
| 1 | | 1070751-NLA | NLA - Frame, Seat, Color | 1 | 1 |
| 2 | | 1071602 | Pin, Anchor (Captain Seat) | 1 | 4 |
| 3 | | 1029501 | Plug Button, Black (1") | 1 | 2 |
| 4 | | 1025713-NLA | NLA - Screw, Hex Head (1/4-20 x 1") | 1 | 4 |
| 5 | | 1026900 | Washer (1/4 x 23/32 x 1/16") | 1 | 6 |
| 6 | | 7930333 | Locknut (1/4-20) | 25 | 2 |
| 7 | | 1037610 | Screw, Hex Head (1/4-20 x 1-5/8") | 1 | 2 |
| 8 | | 1008525-NLA | NLA - Washer, Internal Tooth Lock (#4-40) | 1 | 4 |
| 9 | | 7930339-NLA | NLA - Package, Screw, Phillips Pan Head (#4-40 x 3/8") | 25 | 4 |
| 10 | | P0870X000 | Nut, Hex Keps (#4-40) | 1 | 2 |
| 11 | | 1024001 | Sensor, Actuator Switch | 1 | 1 |
| 12 | A,B | 1107242 | Hardware, Actuator Switch Sensor Mounting | 1 | 1 |
| 13 | B | 1074983 | Cable, Limit Switch Sensor | 1 | 1 |
| NOTE: A - Includes Item 8-11. B - Item 12 and 13 are not included with a high back seat assembly. | | | | | |

Captain Seat Arms & Hardware

18" Wide Models

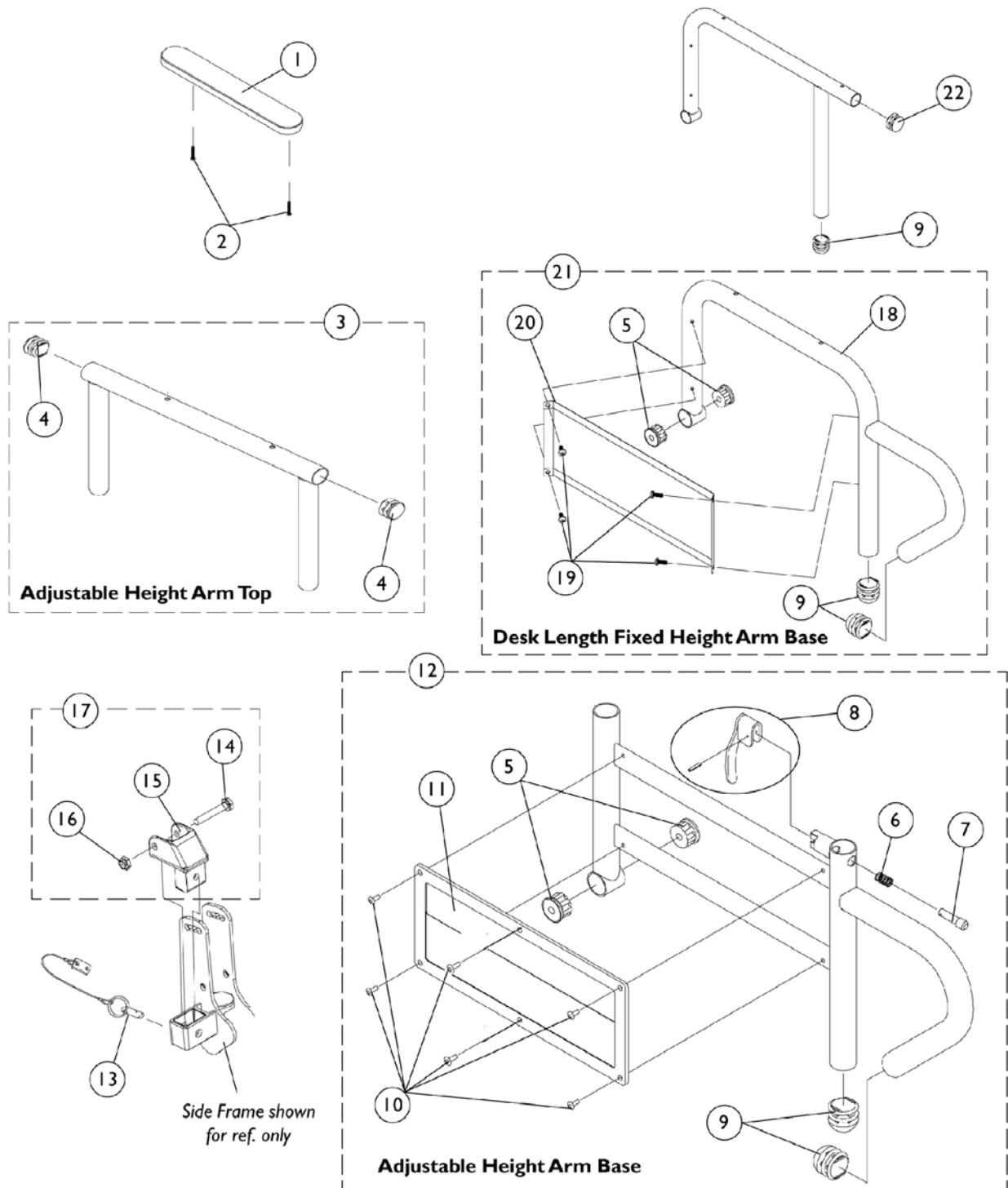


Captain Seat Arms & Hardware

18" Wide Models

| Item Number | Note | Part Number | Description | Quantity Per | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|--------------------------------------------------------------------------------------|--------------|----------|
| | | | | Package | Assembly |
| 1 | A | 1117328 | Kit, Arm Pad w/ Screws, Full Length, Urethane Waterfall, Black (13" L x 2-5/8" W) | 1 | 1 |
| 2 | | 1071359 | Plate, Armrest (Black) | 1 | 1 |
| 3 | | 1028755 | Screw, Phillips Pan Head (#10-32 x 5/8") | 1 | 2 |
| 4 | | 1009837 | Screw, Socket Button Head (1/4-20 x 1") | 1 | 1 |
| 5 | | 1025711-NLA | NLA - Nut, Hex (1/4-20) | 1 | 1 |
| 6 | | 1025704 | Washer, Flat (5/16 x 5/8 x 1/16") | 1 | 3 |
| 7 | | 1070928 | Tube, Arm, Upper Height and Width Adjustable, Black | 1 | 1 |
| 8 | | 15680X013 | Anti-Rattle (1") | 1 | 1 |
| 9 | | 7930304-NLA | NLA - Screw, Socket Head (1/4-20 x 1-1/4") | 25 | 1 |
| 10 | | 1026906-NLA | NLA - Locknut (5/16-24) | 1 | 1 |
| 11 | | 1102546-NLA | NLA - Screw, Phillips Pan Head (#10-32 x 7/8") | 1 | 1 |
| 12 | | 1070106 | Insert, Armrest, Black | 1 | 1 |
| 13 | | 1031026 | Screw w/ Lug (5/16-24 x 1-3/8") | 1 | 1 |
| 14 | B | 1074120 | Kit, Armrest Attaching Hardware (Pair) | 2 | 1 |
| 15 | C | 1073378 | Kit, Arm Pad Attaching Hardware | 2 | 1 |
| 16 | D | 1070756-NLA | NLA - Arm Tube Assembly, Upper Adjustable (Pair) | 2 | 1 |
| NOTE: A - As of 1/3/02 upholstered waterfall armpads were replaced with black urethane waterfall armpads. Order in pairs for chairs manufactured before 1/3/02. B - Includes Items 2, 4, 5, 6, 10, and 13. C - Includes Items 3, 11, and 12. D - Includes Items 7-9. | | | | | |

Arms - Ranger II / R2 jr.



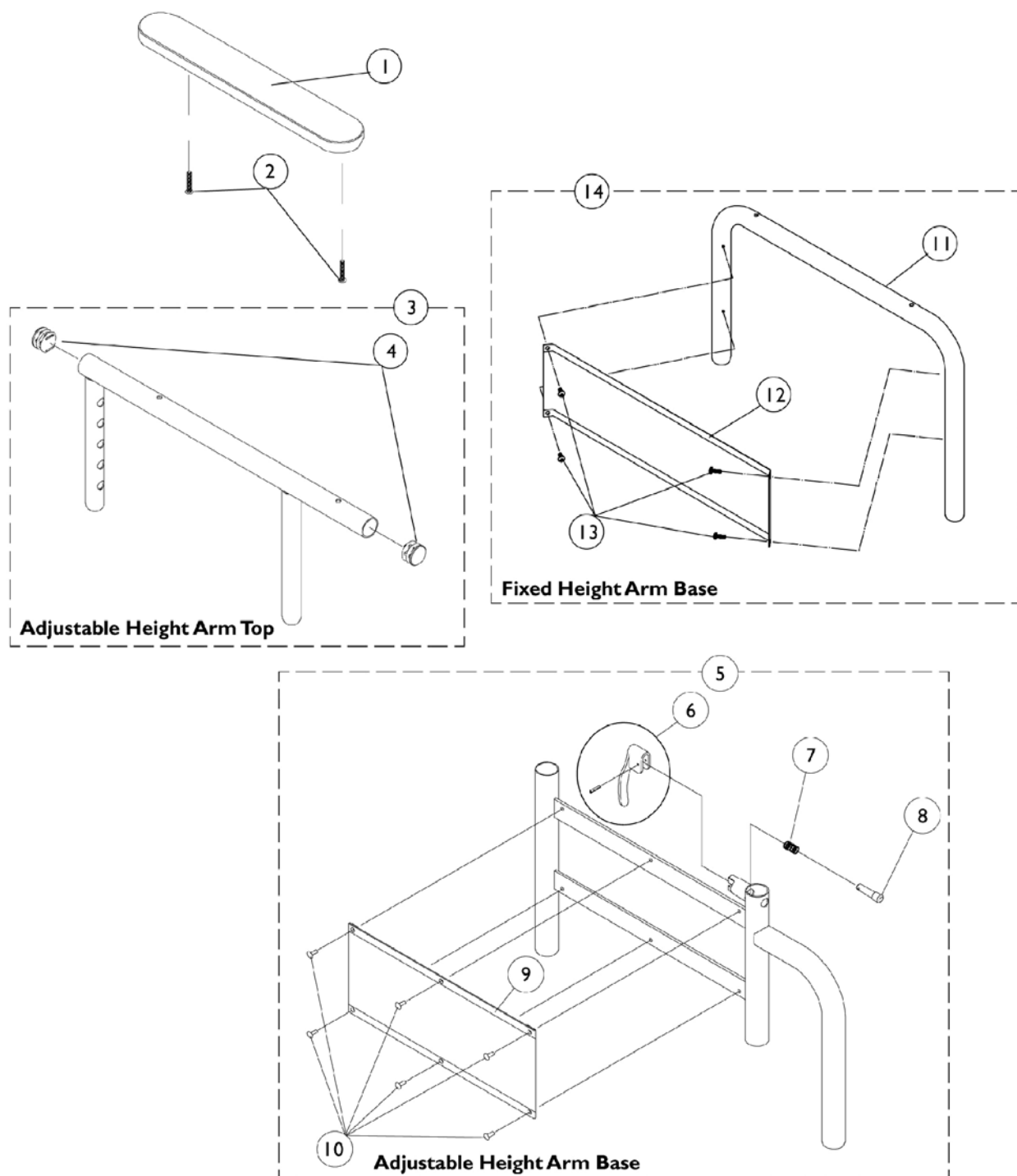
Arms - Ranger II / R2 jr.

| Item Number | Note | Part Number | Description | Quantity Per | |
|-------------|------|-----------------|------------------------------------------------------------------------------------------|--------------|----------|
| | | | | Package | Assembly |
| 1 | A | 8881015932 | Pad, Arm, Vinyl, Full Length - Right (14" L x 2" W) | 1 | 1 |
| 1 | A | 8881015933 | Pad, Arm, Vinyl, Full Length - Left (14" L x 2" W) | 1 | 1 |
| 1 | B,F | 1117328 | Kit, Arm Pad w/ Screws, Full Length, Urethane Waterfall, Black (13" L x 2-5/8" W) | 1 | 1 |
| 1 | | 1110818 | Kit, Arm Pad w/ Screws, Full Length, Urethane Waterfall, Black (13" L x 2-5/8" W) (Pair) | 2 | 1 |
| 1 | A | 8881011811 | Pad, Arm, Vinyl, Desk Length (9" L x 2" W) | 1 | 1 |
| 1 | B,F | 1117327 | Kit, Arm Pad w/ Screws, Desk Length, Urethane Waterfall, Black (9" L x 2-5/8" W) | 1 | 1 |
| 1 | | 1110817 | Kit, Arm Pad w/ Screws, Desk Length, Urethane Waterfall, Black (9" L x 2-5/8" W) (Pair) | 2 | 1 |
| 2 | | 1055949 | Package, Screw, Phillips Pan Head (#10-32 x 1-3/8") | 2 | 1 |
| 2 | D | 1094270 | Package, Screw, Phillips Pan Head (#10-32 x 1-1/4") | 2 | 1 |
| 3 | | 1071253 | Arm Tube Assembly w/ Plug Buttons, Full Length, Black - Right/Left | 1 | 1 |
| 3 | | 1070859 | Arm Tube Assembly w/ Plug Buttons, Desk Length, Black - Right/Left | 1 | 1 |
| 4 | | 1027095 | Plug Button, Black (7/8") | 1 | 2 |
| 5 | | 1065936 | Plug, Pivot | 1 | 2 |
| 6 | | 47471X074 | Spring, Arm Lock | 1 | 1 |
| 7 | | 1028594 | Pin, Arm Lock, Black | 1 | 1 |
| 8 | | 1090768 | Kit, Lock Handle w/Rivets (Pair) | 2 | 1 |
| 9 | | 1067734 | Plug Button, Black (5/8") | 1 | 2 |
| 10 | | 1028645 | Rivet | 1 | 6 |
| 11 | | 1064130 | Guard, Clothing | 1 | 1 |
| 12 | C | 8881071554-NL A | NLA - Arm Base, Adjustable Height, Color - Right | 1 | 1 |
| 12 | C | 8881071555-NL A | NLA - Arm Base, Adjustable Height, Color - Left | 1 | 1 |
| 13 | | 1068039 | Pin, Pull | 1 | 1 |
| 14 | | 1019590 | Screw, Socket Button Head (1/4-20 x 1-5/8") | 1 | 1 |
| 15 | | 1068025 | Clevis, Pivot | 1 | 1 |
| 16 | | 7930323 | Package, Locknut (1/4-20) | 25 | 1 |
| 17 | E | 1090277 | Hardware, Mounting, Swingaway Armrest | 1 | 1 |
| 18 | C | 8881071517-NL A | NLA - Tube, Arm, Full Length, Color - Right | 1 | 1 |
| 18 | C | 8881071518-NL A | NLA - Tube, Arm, Full Length, Color - Left | 1 | 1 |
| 18 | C | 8881071519-NL A | NLA - Tube, Arm, Desk Length, Color - Right | 1 | 1 |
| 18 | C | 8881071520-NL A | NLA - Tube, Arm, Desk Length, Color - Left | 1 | 1 |
| 19 | | 1025729 | Screw, Phillips Pan Head Tap (#8-32 x 3/8") | 1 | 4 |

Arms - Ranger II / R2 jr.

| Item Number | Note | Part Number | Description | Quantity Per | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------|------------------------------------------------|--------------|----------|
| | | | | Package | Assembly |
| 20 | | 1035472-NLA | NLA - Guard, Clothing, Desk Length | 1 | 1 |
| 21 | C | 8881071550-NLA | NLA - Arm Assembly, Full Length, Color - Right | 1 | 1 |
| 21 | C | 8881071551-NLA | NLA - Arm Assembly, Full Length, Color - Left | 1 | 1 |
| 21 | C | 8881071552-NLA | NLA - Arm Assembly, Desk Length, Color - Right | 1 | 1 |
| 21 | C | 8881071553-NLA | NLA - Arm Assembly, Desk Length, Color - Left | 1 | 1 |
| 22 | | 1027095 | Plug Button, Black (7/8") | 1 | 1 |
| NOTE: A - Specify upholstery color when ordering. See page titled, "Frame Finishes, Touch-Up Paint and Upholstery Options." B - As of 1/3/02 upholstered waterfall armpads were replaced with black urethane waterfall armpads. Order in pairs with screws for chairs manufactured before 1/3/02. C - Specify frame finish when ordering. See page titled, "Frame Finishes, Touch-Up Paint and Upholstery Options." D - For Black Urethane Waterfall Arm Pads Only. E - Includes Items 14, 15 and 16. F - After 7/9/07 Invacare recommends ordering armpads in pairs to assure uniform appearance on chair | | | | | |

Arms - Excel



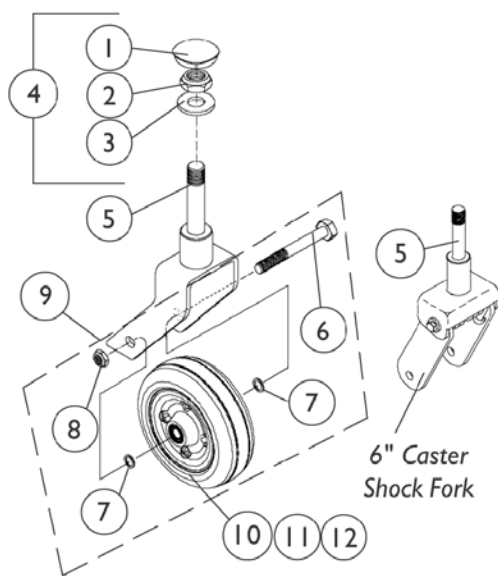
Arms - Excel

| Item Number | Note | Part Number | Description | Quantity Per | |
|-------------|------|-----------------|------------------------------------------------------------------------------------------|--------------|----------|
| | | | | Package | Assembly |
| 1 | A | 8881015932 | Pad, Arm, Vinyl, Full Length - Right (14" L x 2" W) | 1 | 1 |
| 1 | A | 8881015933 | Pad, Arm, Vinyl, Full Length - Left (14" L x 2" W) | 1 | 1 |
| 1 | B,D | 1117328 | Kit, Arm Pad w/ Screws, Full Length, Urethane Waterfall, Black (13" L x 2-5/8" W) | 1 | 1 |
| 1 | | 1110818 | Kit, Arm Pad w/ Screws, Full Length, Urethane Waterfall, Black (13" L x 2-5/8" W) (Pair) | 2 | 1 |
| 1 | A | 8881011811 | Pad, Arm, Vinyl, Desk Length (9" L x 2" W) | 1 | 1 |
| 1 | B,D | 1117327 | Kit, Arm Pad w/ Screws, Desk Length, Urethane Waterfall, Black (9" L x 2-5/8" W) | 1 | 1 |
| 1 | | 1110817 | Kit, Arm Pad w/ Screws, Desk Length, Urethane Waterfall, Black (9" L x 2-5/8" W) (Pair) | 2 | 1 |
| 2 | | 1055949 | Package, Screw, Phillips Pan Head (#10-32 x 1-3/8") | 2 | 1 |
| 2 | | 1094270 | Package, Screw, Phillips Pan Head (#10-32 x 1-1/4") | 2 | 1 |
| 3 | | 1041522 | Arm Tube Assembly w/ Plug Buttons, Full Length, Black - Right/Left | 1 | 1 |
| 3 | | 1070859 | Arm Tube Assembly w/ Plug Buttons, Desk Length, Black - Right/Left | 1 | 1 |
| 4 | | 1027095 | Plug Button, Black (7/8") | 1 | 2 |
| 5 | C | 8881057741 | Arm Base, Adjustable Height, Color - Right | 1 | 1 |
| 5 | C | 8881057742 | Arm Base, Adjustable Height, Color - Left | 1 | 1 |
| 6 | | 1090768 | Kit, Lock Handle w/Rivets (Pair) | 2 | 1 |
| 7 | | 47471X074 | Spring, Arm Lock | 1 | 1 |
| 8 | | 1028594 | Pin, Arm Lock, Black | 1 | 1 |
| 9 | | 1064130 | Guard, Clothing | 1 | 1 |
| 10 | | 1028645 | Rivet | 1 | 6 |
| 11 | C | 8881057723 | Desk Length Arm Tube (Color), Right | 1 | 1 |
| 11 | C | 8881057724 | Tube, Arm, Desk Length, Color - Left | 1 | 1 |
| 11 | C | 8881057715-NL A | NLA - Tube, Arm, Full Length, Color - Right | 1 | 1 |
| 11 | C | 8881057716-NL A | NLA - Tube, Arm, Full Length, Color - Left | 1 | 1 |
| 12 | | 1035472-NLA | NLA - Guard, Clothing, Desk Length | 1 | 1 |
| 12 | | 1044572-NLA | NLA - Guard, Clothing, Full Length (16 - 19" D) | 1 | 1 |
| 13 | | 1025729 | Screw, Phillips Pan Head Tap (#8-32 x 3/8") | 1 | 4 |
| 14 | C | 8881057729-NL A | NLA - Arm Assembly, Desk Length, Color - Right | 1 | 1 |
| 14 | C | 8881057730-NL A | NLA - Arm Assembly, Desk Length, Color - Left | 1 | 1 |
| 14 | C | 8881057719-NL A | NLA - Arm, Full Length without Armpad, Color - Right | 1 | 1 |
| 14 | C | 8881057720-NL A | NLA - Arm, Full Length without Armpad, Color - Left | 1 | 1 |

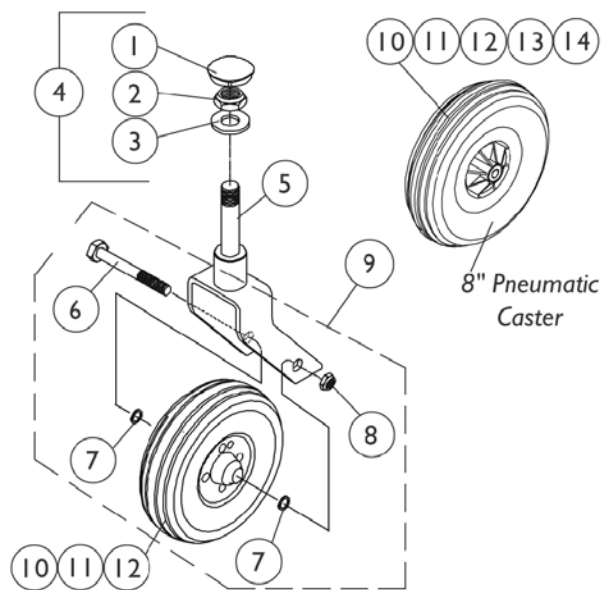
Arms - Excel

NOTE: A - Specify upholstery color when ordering. See page titled, "Frame Finishes, Touch-Up Paint and Upholstery Options."
B - As of 1/3/02 upholstered waterfall armpads were replaced with black urethane waterfall armpads. Order in parts with screws for chairs manufactured before 1/3/02.
C - Specify frame finish when ordering. See page titled, "Frame Finishes, Touch-Up Paint and Upholstery Options."
D - After 7/9/07 Invacare recommends ordering armpads in pairs to assure uniform appearance on chair

Rear Casters - Forks & Hardware



6" Caster Assembly

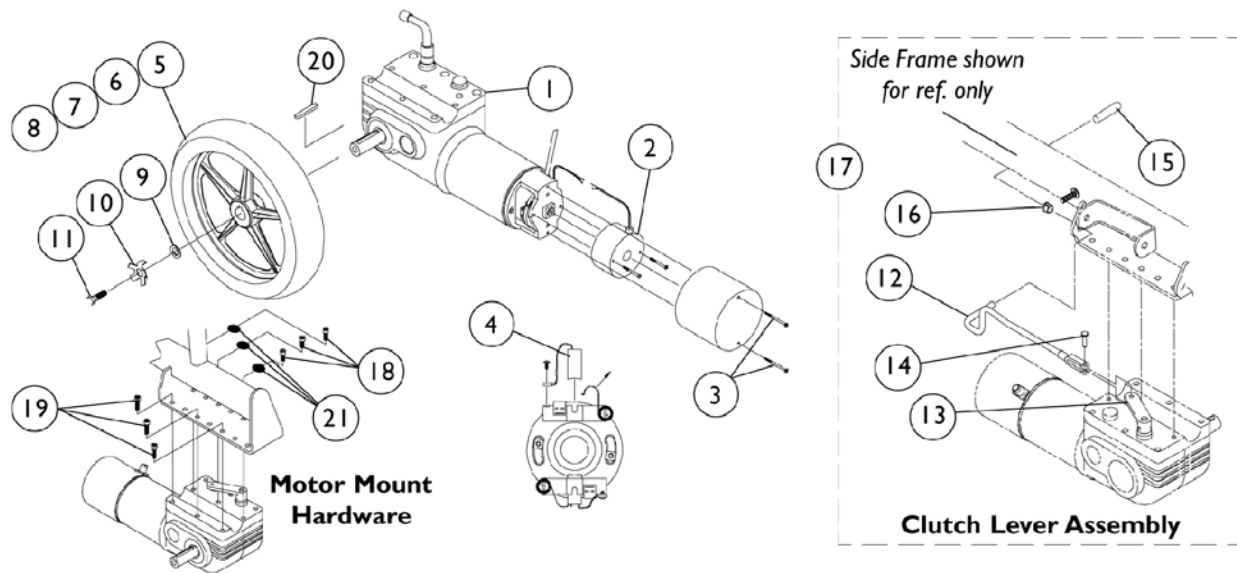


8" Caster Assembly

Rear Casters - Forks & Hardware

| Item Number | Note | Part Number | Description | Quantity Per | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------------|----------------------------------------------------------------------------------------------|--------------|----------|
| | | | | Package | Assembly |
| 1 | | 1056739 | Plug Button, Head Tube, Black | 1 | 1 |
| 2 | | 1028550 | Locknut (5/8-18) | 1 | 1 |
| 3 | | 1041444 | Washer, Nylon (5/8 x 1-5/16 x 1/8") | 1 | 1 |
| 4 | C | 1057949 | Hardware, Fork Stem | 1 | 1 |
| 5 | A | 8881071460 | Fork and Stem (6" Caster) | 1 | 1 |
| 5 | A | 8881071600-NL A | NLA - Fork, Caster, Shock (6") | 1 | 1 |
| 5 | A | 8881058562 | Fork, Caster, Standard (8") | 1 | 1 |
| 6 | D | 1025726 | Screw, Hex Head (7/16-20 x 3-1/4") | 1 | 1 |
| 6 | E | 1058744-NLA | NLA - Screw, Hex Head (7/16-20 x 3-1/2") | 1 | 1 |
| 7 | | 7930329 | Washer, Steel (15/32 x 5/8 x 3/64") | 25 | 1 |
| 8 | | 7930331 | Locknut (7/16-20") | 25 | 1 |
| 9 | D,F | 1042489 | Hardware, Caster Axle (Pair) | 2 | 1 |
| 9 | E,F | 1058890 | Hardware, Caster, Shock Fork (Pair) | 2 | 1 |
| 10 | G | 1072014-NLA | NLA - Wheel Assembly, Semi-Pneumatic, Urethane (6" x 2") | 1 | 1 |
| 10 | H | 1115179 | Wheel Assembly, Semi-Pneumatic, Urethane, Deep Profile, Grey Tire/Black Hub (6" x 2") | 1 | 1 |
| 10 | H | 1122066 | Wheel Assembly, Semi-Pneumatic, Urethane, Deep Profile, Grey Tire/Black Hub (6" x 2") (Pair) | 2 | 1 |
| 10 | | 1070811 | Wheel Assembly, Semi-Pneumatic, Urethane, Light Grey (8" x 1-3/4") | 1 | 2 |
| 10 | | 1002002 | Wheel Assembly w/ Bearings, Pneumatic (8" x 2") | 1 | 1 |
| 11 | | 1006049 | Bearing (7/16") | 1 | 2 |
| 12 | | 1020592 | Spacer, Bearing (7/16 x 5/8 x 1-3/4") | 1 | 1 |
| 13 | | 40176X034 | Tire, Pneumatic (8" x 2") | 1 | 1 |
| 14 | | 1034942 | Tube, Pneumatic Inner (8 x 2") | 1 | 1 |
| | B | 40176X010 | Pump, Tire | 1 | 1 |
| <p>NOTE: A - Specify frame finish when ordering. See page titled, "Frame Finishes, Touch-Up Paint and Upholstery Options." B - Not Shown. C - Includes Items 1-3. D - Standard Fork. E - Shock Fork. F - Includes items 6-8. G - Service part No Longer Available 8/15/03. Due to product improvement, order (pair) part number 1122066 dated after 8/14/03 so each side matches. The deep profile caster has 2 tread grooves w/ round corners instead of 4 tread grooves w/ square corners. H - Service part after 8/14/03</p> | | | | | |

Drive Wheel, 2-Pole Motor & Gearbox (12-1/2 x 2-1/4") (Ranger II Basic, Excel and R2 jr.)



Drive Wheel, 2-Pole Motor & Gearbox (12-1/2 x 2-1/4") (Ranger II Basic, Excel and R2 jr.)

| Item Number | Description | Part Number |
|-------------|---------------------------------------------------|------------------------------|
| 1 | Motor and Gearbox - Right | 1071593 |
| 1 | Motor and Gearbox - Left | 1071594-NLA |
| 2 | Brake Repair Kit | 1055872-NLA |
| 3 | Brake Cover with Screws (Pair) | 1038361-NLA |
| 4 | Brushes (Pair) | 561-005 See Note(s) C |
| 5 | Drive Wheel, Foam Fill (12-1/2") with Locking Tab | 1064177 |
| | Drive Wheel, Pneumatic (12-1/2") with Locking Tab | 1064178 |
| 6 | Tire (12-1/2 x 2-1/4") | 1011524 |
| 7 | Flat Free Insert | 1073936-NLA See Note(s) A |
| 8 | Tube (12-1/2 x 2-1/4") | 1011525 |
| 9 | Washer (21/64 x 53/64 x 7/64") | 1079247 |
| 10 | Washer, Locking Tab (Pair) | 1064179 |
| 11 | Screw, Hex Head (M8 x 20MM) (Pkg. of 25) | 7930322-NLA |
| 12 | Clutch Lever - Right | 1098712-NLA See Note(s) B |
| | Clutch Lever - Left | 1098713-NLA See Note(s) B |
| 13 | Bracket, Clutch Lever | 1071567-NLA |
| 14 | Pin, Clevis | 1071568 |
| 15 | Tip, Plastic | 1040060 |
| 16 | Bushing, Snap | 1071562-NLA |
| 17 | Clutch Lever Assembly - Right | 1074114-NLA |
| | Clutch Lever Assembly - Left | 1074135-NLA |
| 18 | Screw, Socket Head (M6 x 15MM) | 1080713-NLA |
| 19 | Screw, Socket Head (M6 x 35MM) | 1080712-NLA |
| 20 | Key | 1023264 |
| 21 | Washer, Star (1/4") | 10513X000-NLA |

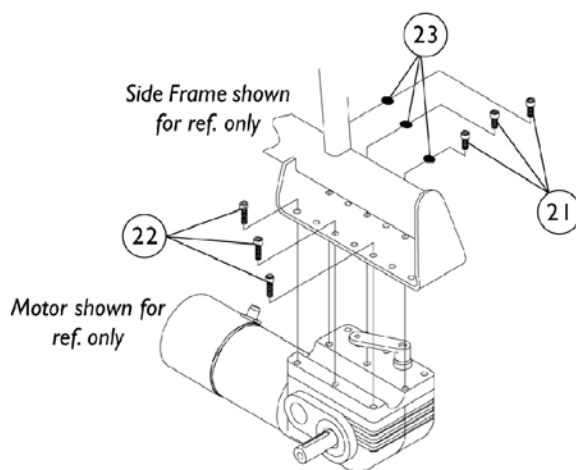
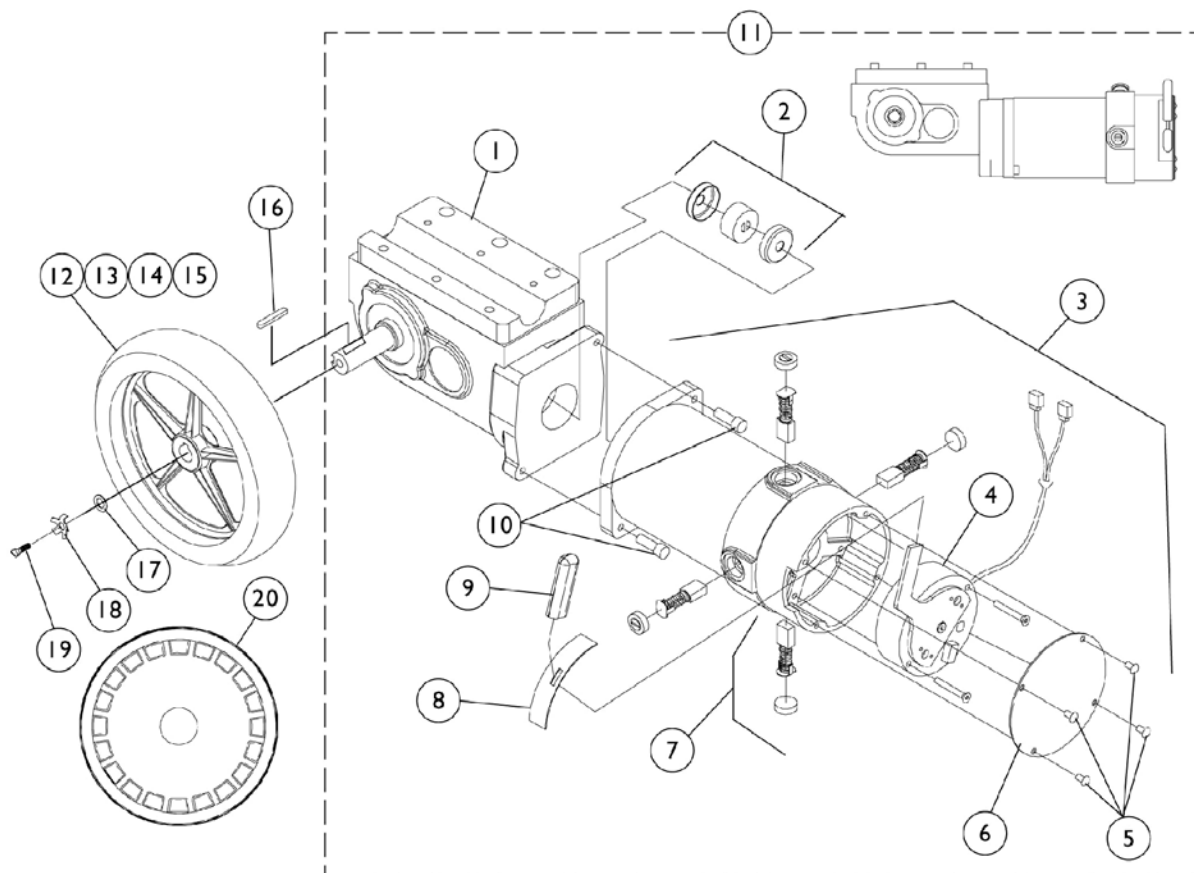
NOTE: A - As of 10/20/99 the "solid" flat free insert was replaced by a "foam fill" process. When a flat free insert is requested, a complete wheel must be ordered.

B - Short end of Clutch Lever was lengthened from 2" to 2-3/4" long as of 12/1/00. Replace in pairs for chairs made before 12/11/00.

C - 561-005 are internal brushes and do not use Caps.

NOTE: Light Duty, 250-S models use long cap motors.

Drive Wheel, 4-Pole Motor & Gearbox **(12-1/2 x 2-1/4")** **(Ranger II Standard w/ Brake Lever)**



Motor Mount Hardware

Drive Wheel, 4-Pole Motor & Gearbox (12-1/2 x 2-1/4") (Ranger II Standard w/ Brake Lever)

| Item Number | Description | Part Number |
|---------------------|-----------------------------------------------------|------------------------------|
| 1 | Gearbox - Right | 1086228 See Note(s) E |
| 1 | Gearbox - Left | 1086227 See Note(s) E |
| 2 | NLA - Coupling w/ Cup (1" Diameter) | 5165204-NLA See Note(s) C |
| 2 | Coupling w/ Cup (1-5/16" Diameter) | 50000X007 See Note(s) D |
| 3 | Motor Assembly - Right (Before 10/29/01) | 1086788 |
| 3 | Motor Assembly - Left (Before 10/29/01) | 1087218-NLA |
| 3 | Motor Assembly - Right (After 10/28/01) | 1109229-NLA |
| 3 | Motor Assembly - Left (After 10/28/01) | 1109228-NLA |
| 4 | Brake Repair Kit - Right | 1070295 See Note(s) H |
| 4 | Brake Repair Kit - Left | 1070294 See Note(s) H |
| 5 | Screw, Socket Pan Head (8-32 x 1/4") | See Item 5 |
| 6 | Brake Cover with Screws (Before 10/29/01) | 1070297-NLA |
| 6 | Brake Cover (Black) with Screws (After 10/28/01) | 1104402 |
| 7 | Brushes with Caps | 1070296 See Note(s) G |
| 8 | Slotted Plate | 1082985 |
| 9 | Plastic Tip (Before 10/29/01) | 1082984-NLA |
| 9 | Plastic Tip (After 10/28/01) | 1101725 |
| 10 | Screw, SHC (1/4-20 x 1-1/8") | 1043594 See Note(s) E |
| 10. | Screw, SHC (M6 x 1 x 20MM) | 1108978 See Note(s) E |
| 11 See Note(s) F | Motor and Gearbox - Right (Before 10/29/01) | 1086218 |
| 11 | Motor and Gearbox - Left (Before 10/29/01) | 1086217-NLA See Note(s) F |
| 11 | Motor and Gearbox - Right (After 10/28/01) | 1109170-NLA |

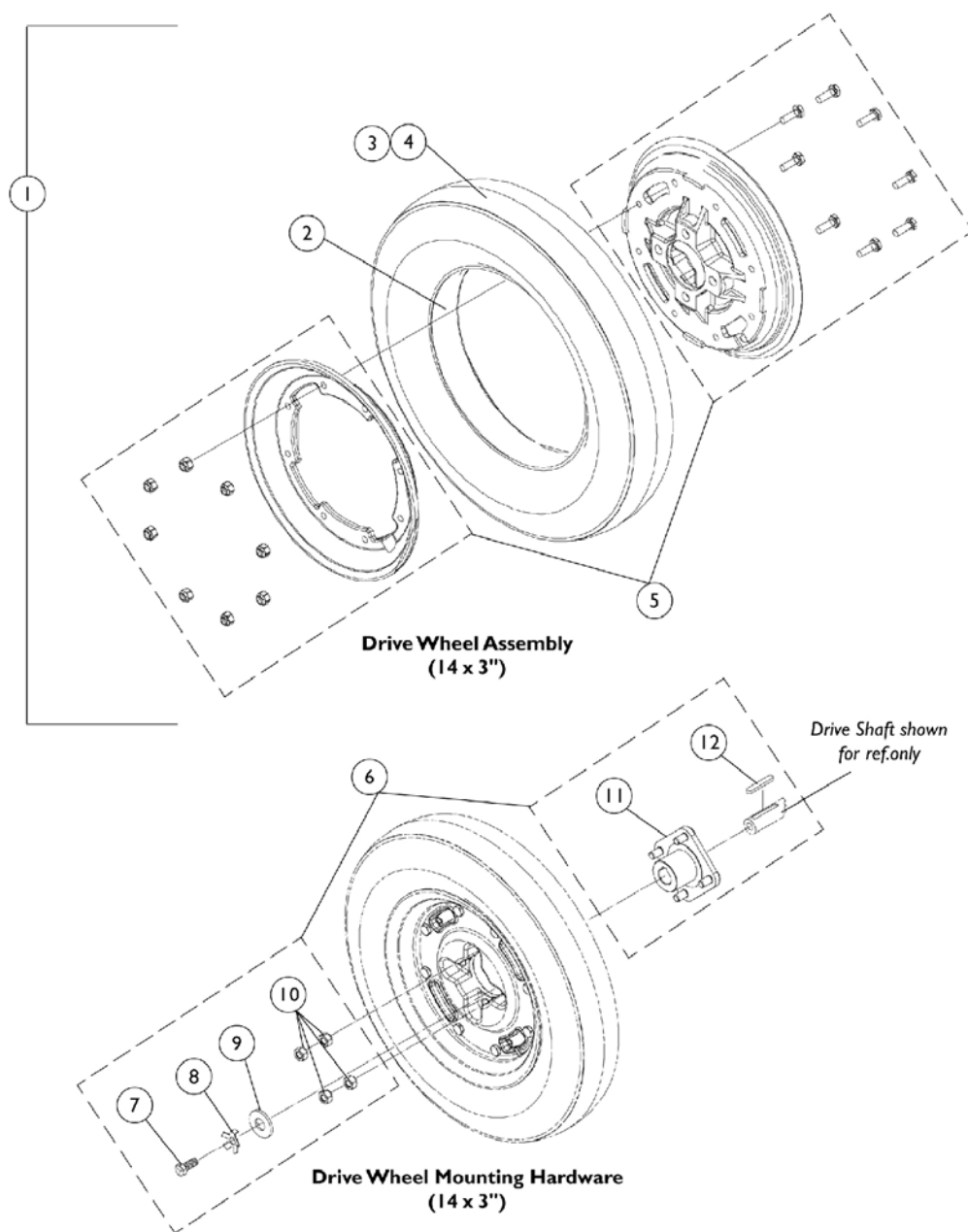
Drive Wheel, 4-Pole Motor & Gearbox (12-1/2 x 2-1/4") (Ranger II Standard w/ Brake Lever)

| Item Number | Description | Part Number |
|-------------|------------------------------------------------|------------------------------|
| 11 | Motor and Gearbox - Left After 10/28/01 | 1109169-NLA |
| 12 | Wheel with Foam Fill (12-1/2) with Locking Tab | 1064177 See Note(s) A |
| 12 | Wheel, Pneumatic (12-1/2") with Locking Tab | 1064178 See Note(s) A |
| 13 | Tire (12-1/2 x 2-1/4") | 1011524 |
| 14 | Flat Tire Insert | 1073936-NLA See Note(s) B |
| 15 | Tube (12-1/2 x 2-1/4") | 1011525 |
| 16 | Key | 1023264 |
| 17 | Washer (21/64 x 53/64 x 7/64") | 1079247 |
| 18 | Washer, Locking Tab (Pair) | 1064179 |
| 19 | Screw, Hex Head (M8 x 20MM) (Pkg. of 25) | 7930322-NLA |
| 20 | Shroud Cover - Black, Drive Wheel | 1074974-NLA |
| 21 | Screw, Socket Head (M6 x 15MM) | 1080713-NLA |
| 22 | Screw, Socket Head (M6 x 35MM) | 1080712-NLA |
| 23 | Washer, Star (1/4") | 10513X000-NLA |

NOTE: A - Drive wheel comes with a locking tab and instruction sheet.
B - As of 10/20/99, the "solid" flat free insert was replaced by a "foam fill" process. When a Flat Free Insert is requested, a complete wheel must be ordered.
C - Coupling with Cup for chairs manufactured before 11/12/01 - Use part # 50000X007 as a direct replacement part.
D - After 11/11/01 Coupling with Cup was resized from approximately 1" to 1-5/16" diameter and can be used as a direct replacement for part number 5165204
E - When a new gearbox or mounting screws are ordered, (2 ea.) metric and (2 ea.) non-metric screws (item 10) must be ordered. Invacare Corp. utilizes alternate suppliers for this part number.
F - As of May 2008, the Metal Motor End Cap will be replaced with a Composite Motor End Cap. The change does not affect form, fit, function or aesthetics.
G - Kit includes (4) Brushes, (4) Brush Caps and Instruction Sheet.
H - Use existing screws when installing the Brake Repair Kit. The Motor Brake Mounting Screws are not saleable.

Drive Wheel and Hub Mount (14 x 3")

Optional on Chair
(As Of 10/15/99)



Drive Wheel and Hub Mount (14 x 3")

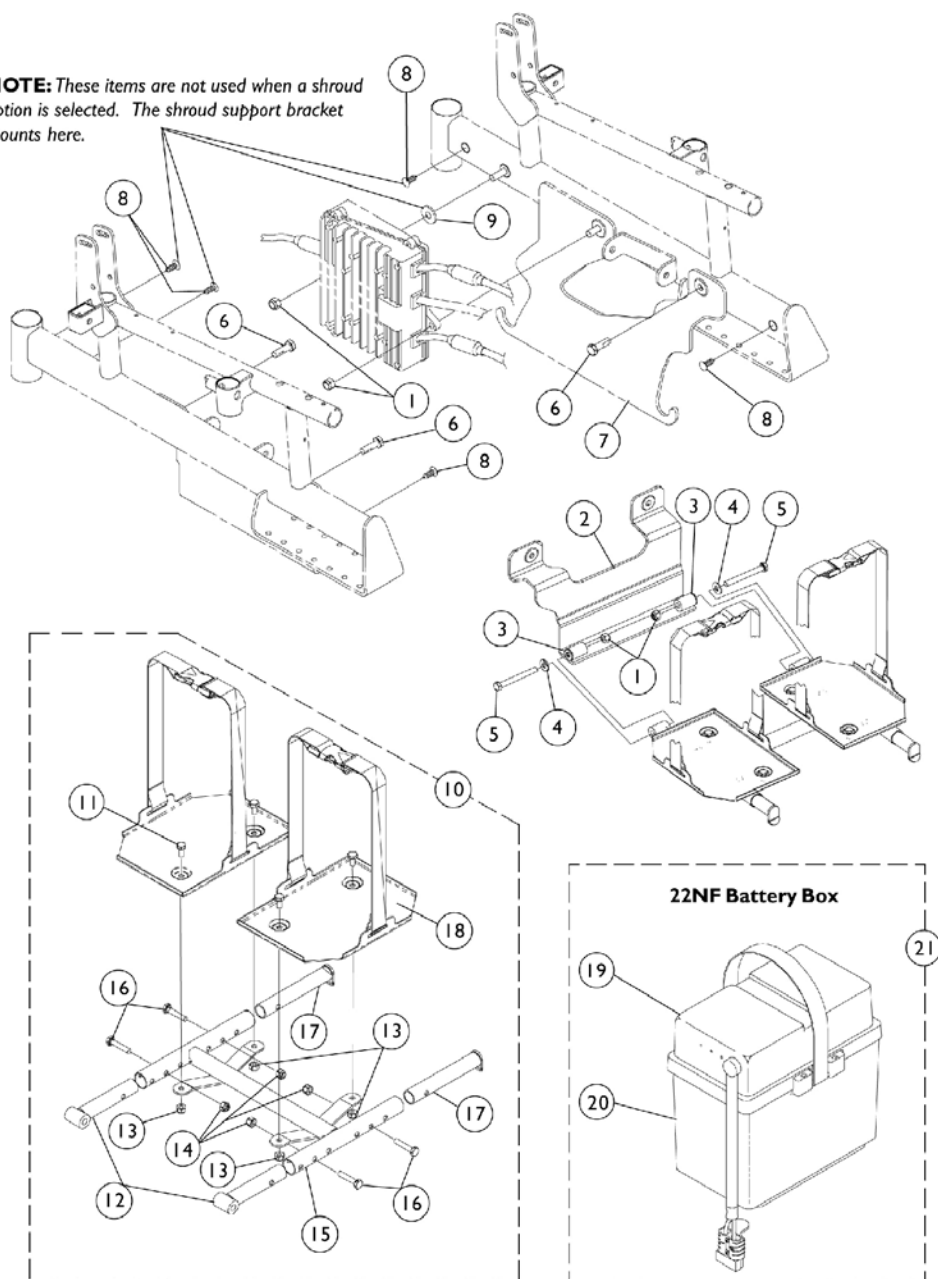
Optional on Chair

(As Of 10/15/99)

| Item Number | Note | Part Number | Description | Quantity Per | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-------------------------------------------------------------------------------|--------------|----------|
| | | | | Package | Assembly |
| 1 | | 1090649-NLA | NLA - Pneumatic Wheel Drive Assembly (14" x 3") | 1 | 1 |
| 1 | | 1090650-NLA | NLA - Drive Wheel Assembly w/ Flat Free Insert, Grey Tire/Black Rim (14 x 3") | 1 | 1 |
| 2 | | 1101754 | Tire w/ Foam Fill Insert, Grey (14" x 3") | 1 | 1 |
| 3 | | 1039652 | Tire, Pneumatic, Grey (14" x 3") | 1 | 1 |
| 4 | | 1039651 | Tube, Inner, Black (14 x 3") | 1 | 1 |
| 5 | A | 1090651-NLA | NLA - Kit, 8" Rim w/ Hardware (14" x 3" Wheel) | 1 | 1 |
| 6 | B | 1090648-NLA | NLA - Hardware, Drive Wheel Mounting w/ Instruction Sheet (14 x 3") | 1 | 1 |
| 7 | | 7930322-NLA | NLA - Package, Screw, Hex Head (M8 x 1.25 x 20mm) | 25 | 1 |
| 8 | | 1064179 | Kit, Locking Tab Washer w/ Instruction Sheet (Pair) | 2 | 1 |
| 9 | | 1079247 | Washer, Flat (21/64 x 53/64 x 7/64") | 1 | 1 |
| 10 | | 1024444 | Locknut (5/16-24) | 1 | 4 |
| 11 | | 1086681-NLA | NLA - Hub, Wheel (14" x 3") | 1 | 1 |
| 12 | | 1023264 | Key (6mm x 6mm x 40mm) | 1 | 1 |
| NOTE: A - Hardware consists of: (8) ea. Screw, Hex Head Cap (1/4-20 x 3/4") and (8) ea. Locknut, High Profile (1/4-20"). B - Includes Items 7-12 and Instruction Sheet. | | | | | |

Battery Boxes & Trays

NOTE: These items are not used when a shroud option is selected. The shroud support bracket mounts here.



Battery Boxes & Trays

| Item Number | Note | Part Number | Description | Quantity Per | |
|-------------|-------|---------------|-------------------------------------------------------|--------------|----------|
| | | | | Package | Assembly |
| 1 | | 1026158 | Locknut (5/16-18) | 1 | 2 |
| 2 | | 1080242-NLA | NLA - Bracket, Pivot, Black - Right | 1 | 1 |
| 3 | | 1026032 | Washer, Nylon (11/32 x 11/16 x 1/16") | 1 | 2 |
| 4 | | 1018739 | Washer (1/4 x 5/8 x 3/32") | 1 | 2 |
| 5 | | 1042486 | Screw, Hex Head (5/16-18 x 2-3/4") | 1 | 2 |
| 6 | K | 1043627-NLA | NLA - Screw, Hex Head w/ Patch (5/16-18 x 1-3/4") | 1 | 1 |
| 6 | L | 1050161 | Screw, Hex Head w/ Patch (5/16-18 x 1") | 1 | 3 |
| 7 | | 1080240-NLA | NLA - Bracket, Pivot, Black - Left | 1 | 1 |
| 8 | | 1058520-NLA | NLA - Fastener, Panel Snap-In | 1 | 5 |
| 9 | | 1079247 | Washer, Flat (21/64 x 53/64 x 7/64") | 1 | 1 |
| 10 | H | 1080255-NLA | NLA - Tray, Battery Assembly w/ Hardware | 1 | 1 |
| 11 | | 1025752-NLA | NLA - Screw, Hex Head (1/4-20 x 1-1/2") | 1 | 4 |
| 12 | | 1080250-NLA | NLA - Pin, Tray Pivot | 1 | 2 |
| 13 | | 7930323 | Package, Locknut (1/4-20) | 25 | 1 |
| 14 | | 7930333 | Locknut (1/4-20) | 25 | 1 |
| 15 | | 1080241 | Support, Tray | 1 | 1 |
| 16 | | 1021406 | Screw, Hex Head (1/4-20 x 1-1/4") | 1 | 4 |
| 17 | | 1080256 | Pin, Tray | 1 | 2 |
| 18 | | 1080239 | Tray w/ Buckle | 1 | 2 |
| 19 | A,B,I | 1097003 | Battery Box Top, Rear, 22NF | 1 | 2 |
| 20 | J | 1057944 | Battery Box Bottom with Strap, 22NF | 1 | 2 |
| | G | 1057954-NLA | NLA - Strap, Battery | 1 | 1 |
| | G | 1041433-NLA | NLA - Pin, Handle | 1 | 2 |
| 21 | I | 1097007 | Battery Box Assembly, Rear, 22NF | 1 | 2 |
| | A,E,G | 50000X166-NLA | NLA - Fuse - Buss 2-1/4" L (60 AMP) | 1 | 2 |
| | F,G | 1089385 | Fuse, MIDI (Non-G/B & G/B) (80 AMP) | 1 | 2 |
| | C,G | 1060318-NLA | NLA - Hardware, Battery Terminal, UI Batteries (Pair) | 2 | 1 |
| | D,G | 1058618 | Hardware, Battery Terminal, 22NF Batteries (Pair) | 2 | 1 |

NOTE: A - As of 11/05/99 the battery harness fuse changed from a Bussman 60AMP to a MIDI 80AMP fuse. This battery box top is compatible for all chairs manufactured before 11/05/99 and must be ordered whenever a replacement Bussman 60AMP fuse is replaced.

B - It is recommended that new terminal hardware be ordered when a new battery box top is ordered.

C - Hardware includes small battery terminal caps (gray and orange), 1/4-20 x 7/8" hex flange screws, 1/4-20 hex flange nuts, cable ties, locking tab washers and instruction sheet for two batteries.

D - Hardware includes battery clamps, battery clamp caps (red and black), small battery terminal caps (red and black), 1/4-20 x 7/8" hex flange screws, 1/4-20 hex flange nuts, cable ties and locking tab washers for two batteries.

E - Before 11/5/99.

F - After 11/4/99.

G - Not Shown.

H - Includes Items 11-18.

I - 22NF and UI 250-S Models.

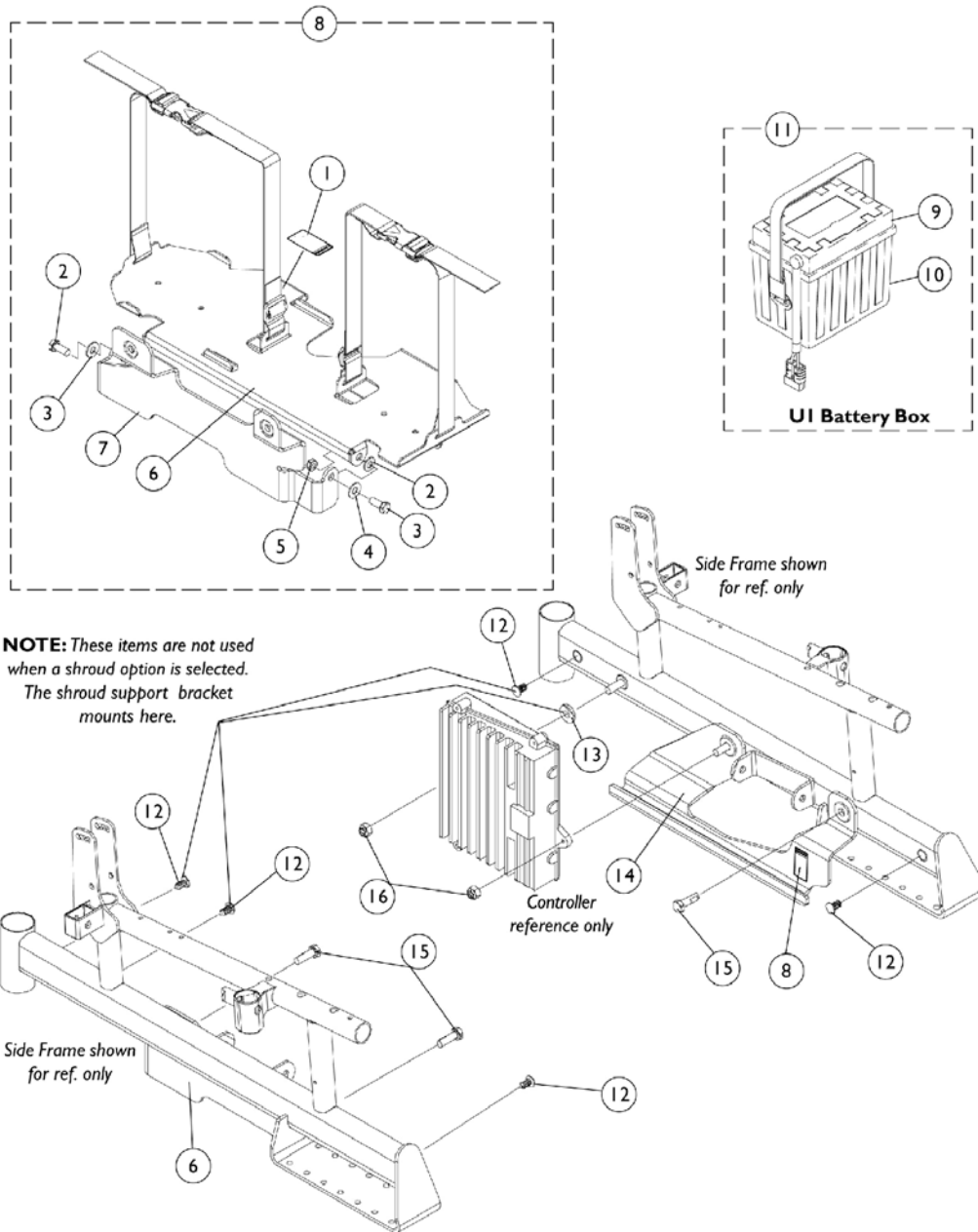
J - Includes: Battery Strap #105794 and Handle Pin #104133.

K - With One Piece Footboard.

L - Without One Piece Footboard.

Battery Boxes & Trays

R2 jr. (14" Wide)



Battery Boxes & Trays

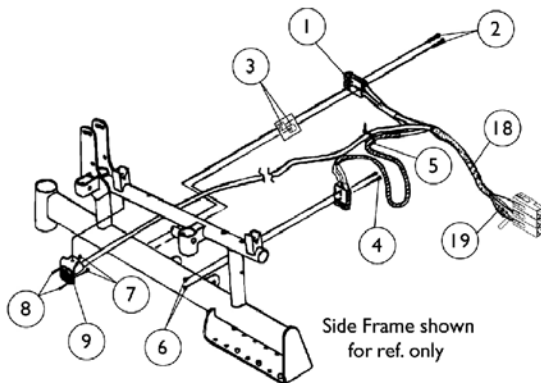
R2 jr. (14" Wide)

| Item Number | Note | Part Number | Description | Quantity Per | |
|-------------|------|-------------|-----------------------------------------------------------------------|--------------|----------|
| | | | | Package | Assembly |
| 1 | | 1079203 | Decal, Warning Pinch Point | 1 | 1 |
| 2 | | 1026032 | Washer, Nylon (11/32 x 11/16 x 1/16") | 1 | 2 |
| 3 | | 1086166-NLA | NLA - Screw, Hex Head (5/16-18 x 3/4") | 1 | 2 |
| 4 | | 1074133 | Washer, Steel (5/16 x 3/4 x 1/16") | 1 | 2 |
| 5 | | 1028769 | Locknut (5/16-18) | 1 | 2 |
| 6 | | 1090275-NLA | NLA - Tray, Battery with Buckle and Warning Decal | 1 | 1 |
| 7 | | 1086160-NLA | NLA - Bracket, Pivot, Black - Right | 1 | 1 |
| 8 | A | 1086167-NLA | NLA - Battery Tray Assembly | 1 | 1 |
| 9 | B,C | 1057941-NLA | NLA - Battery Box Top Assembly, Dual w/ Single Extended Connector, UI | 1 | 2 |
| 10 | | 1009268-NLA | NLA - Battery Box Bottom Assembly, U1 | 1 | 2 |
| 11 | D | 1057942-NLA | NLA - Battery Box Assembly, Dual w/ Single Extended Connector, UI | 1 | 2 |
| 12 | | 1058520-NLA | NLA - Fastener, Panel Snap-In | 1 | 5 |
| 13 | | 1079247 | Washer, Flat (21/64 x 53/64 x 7/64") | 1 | 1 |
| 14 | | 1090276-NLA | Bracket, Pivot with Warning Decal, Black - Left | 1 | 1 |
| 15 | | 1050161 | Screw, Hex Head w/ Patch (5/16-18 x 1") | 1 | 3 |
| 16 | | 1026158 | Locknut (5/16-18) | 1 | 2 |
| | C,F | 1089385 | Fuse, MIDI (Non-G/B & G/B) (80 AMP) | 1 | 2 |
| | E,F | 1060318-NLA | NLA - Hardware, Battery Terminal, UI Batteries (Pair) | 2 | 1 |

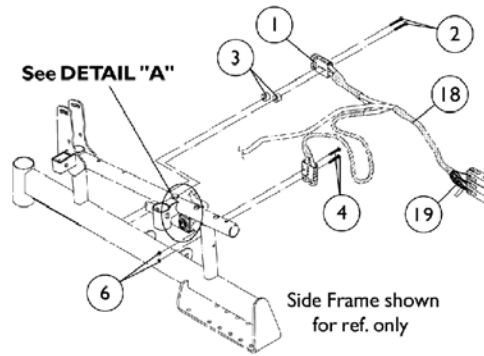
NOTE: A - Includes Items 2-7.
 B - It is recommended that new terminal hardware be ordered when a new battery box top is ordered.
 C - As of 11/05/99 the battery harness fuse changed from a Bussman 60AMP to a MIDI 80AMP fuse. This battery box top is compatible for all chairs manufactured before 11/05/99 and must be ordered whenever a replacement Bussman 60AMP fuse is requested.
 D - Includes Items 9 and 10.
 E - Hardware includes small battery terminal caps (gray and orange), 1/4-20 x 7/8" hex flange screws, 1/4-20 hex flange nuts, cable ties, locking tab washers and instruction sheet for two batteries.
 F - Not Shown.

Battery Chargers & Harnesses

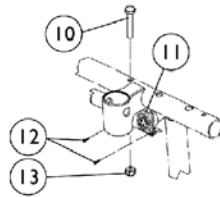
NOTE: Light Duty, 250-S models use a 4 amp. charger #1061411.



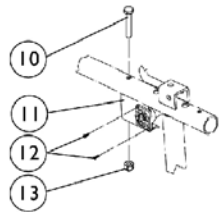
**Harness and Battery Bracket Location
For Sling Seats Before 4/15/99**



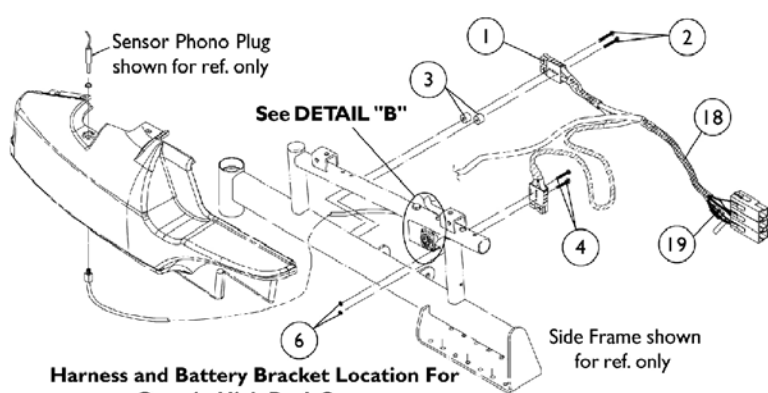
**Harness and Battery Bracket Location For Captain
Low Back Seats and (Sling Seats After 4/14/99)**



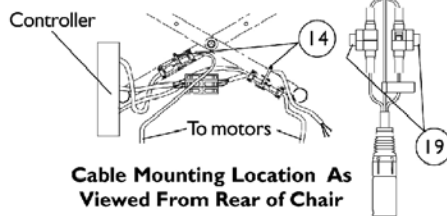
DETAIL "A"



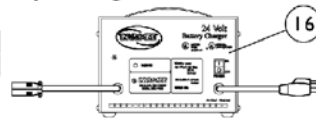
DETAIL "B"



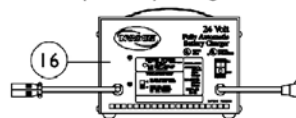
**Harness and Battery Bracket Location For
Captain High Back Seats**



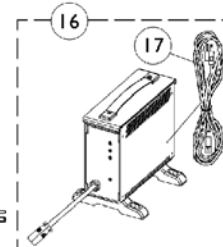
**Cable Mounting Location As
Viewed From Rear of Chair**



Lester 4 Amp. Battery Charger



Lester 8 Amp. Battery Charger



**Dynamic or CTE
Battery Charger**

Battery Chargers & Harnesses

NOTE: Light Duty, 250-S models use a 4 amp. charger #1061411.

| Item Number | Note | Part Number | Description | Quantity Per | |
|-------------|------|-------------|---------------------------------------------------------------------------------------------------------------------------|--------------|----------|
| | | | | Package | Assembly |
| 1 | D | 1053834 | Harness, Wiring, Standard | 1 | 1 |
| 1 | E | 1070590-NLA | NLA - Harness, Wiring | 1 | 1 |
| 2 | A | 1088802-NLA | NLA - Screw, Phillips Pan Head (6-32 x 1-1/4") | 1 | 2 |
| 3 | A | 1088801-NLA | NLA - Washer, Nylon (3/16 x 1/2 x 3/8") | 1 | 2 |
| 4 | | 1011980 | Screw, Phillips Pan Head (#6-32 x 3/4") | 1 | 2 |
| 5 | | 1095503 | Package, Tie Wrap (5-5/8" L) | 10 | 1 |
| 6 | | P0870X050 | Nut, Keps (#6-32) | 1 | 2 |
| 7 | | P0870X000 | Nut, Hex Keps (#4-40) | 1 | 2 |
| 8 | | 7930318 | Package, Screw, Phillips Pan Head (#4-40 x 1/2") | 25 | 1 |
| 9 | | 1053837-NLA | NLA - Bracket, Charger Connector, Black | 1 | 1 |
| 10 | | 1030949 | Screw, Hex Head (1/4-20 x 1-1/2") | 1 | 1 |
| 11 | | 1086804-NLA | NLA - Bracket, Battery Charger Connector | 1 | 1 |
| 12 | | 1087226-NLA | NLA - Screw, Phillips Pan Head Tap (#4-24 x 3/8") | 1 | 2 |
| 13 | | 7930333 | Locknut (1/4-20) | 25 | 1 |
| 14 | | 1095502 | Package, Tie Wrap (11-1/2" L) | 10 | 1 |
| 15 | | 1083929 | Cable, Charger Extension, Round Plug (24" L) | 1 | 1 |
| 16 | B | 1053161 | Charger, Battery, 8 Amp, 115vac, Off Board Dual Mode Round Plug, Lester | 1 | 1 |
| 16 | | 1085678-NLA | NLA - Charger, Battery, 8 Amp. 115vac, Off Board, Dual Mode, Round Plug w/ AC Power Line Cord, Dynamic | 1 | 1 |
| 16 | H | 1061411-NLA | NLA - Charger, Battery, 4 Amp. 115vac, Off Board, Dual Mode, Round Plug, Lester | 1 | 1 |
| 16 | I,I1 | 1123249 | Charger, Battery, 8 Amp. 115vac (Off Board) Single Mode Round Plug w/ AC Power Line Cord, CTE Corp. | 1 | 1 |
| 16 | I,I1 | 1123249E | WARR RPLMT - Charger, Battery, 8 Amp, 115VAC (Off Board) Single Mode Round Plug w/ AC Power Line Cord, CTE Corp. | 1 | 1 |
| 17 | J | 1089627-NLA | NLA - Cord, AC Power, 115VAC, 2 Prong Off-Board (11' 6" L) | 1 | 1 |
| 17 | | 1121086 | Cord, AC Power, 115VAC, 3 Prong On-Board (6' 6-1/2" L) | 1 | 1 |
| 18 | C | 1090357-NLA | NLA - Wrap, Slit Wire Harness (1/2" O.D., 36" Long Cut To Length) | 1 | 1 |
| 19 | F | 1098892 | Fuse - Buss ATC-15 (15 AMP) | 1 | 1 |
| 19 | G | 1090117 | Fuse - Buss Mini ATM-15 (15 AMP) | 1 | 1 |

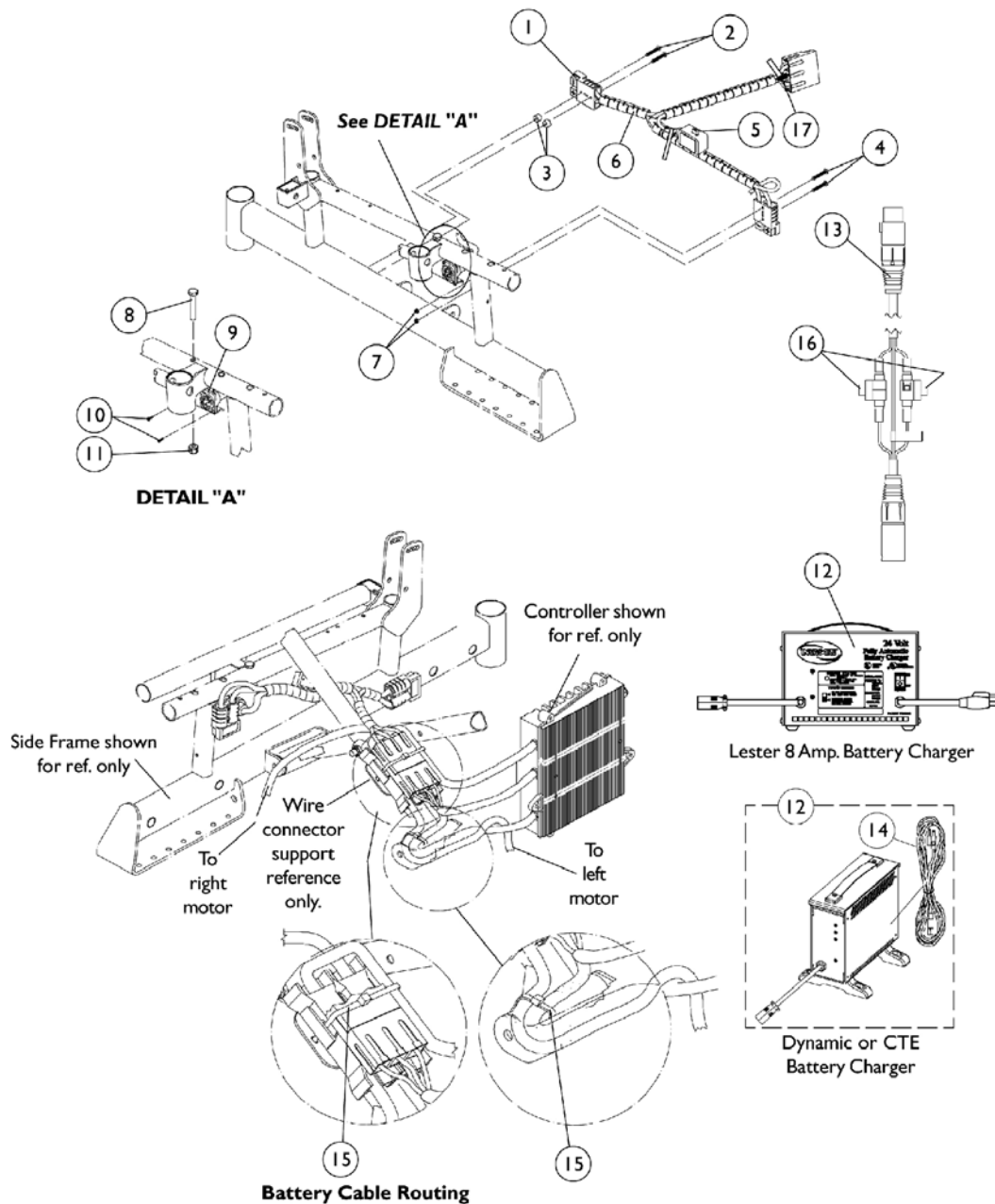
Battery Chargers & Harnesses

NOTE: Light Duty, 250-S models use a 4 amp. charger #1061411.

- NOTE:
- A - Items 2 and 3 changed after 4/14/99. Order Items 2 and 3 together for chairs manufactured before 4/15/99.
 - B - On 7/18/01 Lester 8AMP battery charger was reinstated.
 - C - Plastic wire wrap replaced mesh fabric and heat shrink 9/1/99. Part #1090357 can be used for chairs manufactured before 9/1/99 as well.
 - D - Sling Seats and Low Back Captain Seat.
 - E - High Back Captain Seat.
 - F - Before 4/1/03. Wiring Harnesses (2) required. Charger Extension Cable (1) required.
 - G - After 3/31/03. Wiring Harnesses (2) required. Charger Extension Cable (2) required.
 - H - CTE 8 Amp. charger replaced the obsoleted 4 Amp. charger as of 4/1/04.
 - I - CTE charger introduced 4/1/04. Used on Gel Cell or AGM (Absorbed Glass Mat) batteries. For wet cell batteries refer to the 8 amp. Lester charger.
 - I1 - CTE charger looks exactly the same as Dynamic's charger except for the company name that is silk screened on the narrow side panel, where the charger plug is (hard wired) attached. Serial number starts with 04A00000001.
 - J - No longer available as a service part. Please use 1121086 as its replacement.

Battery Chargers & Harness

R2 jr. (14" Wide)



Battery Chargers & Harness

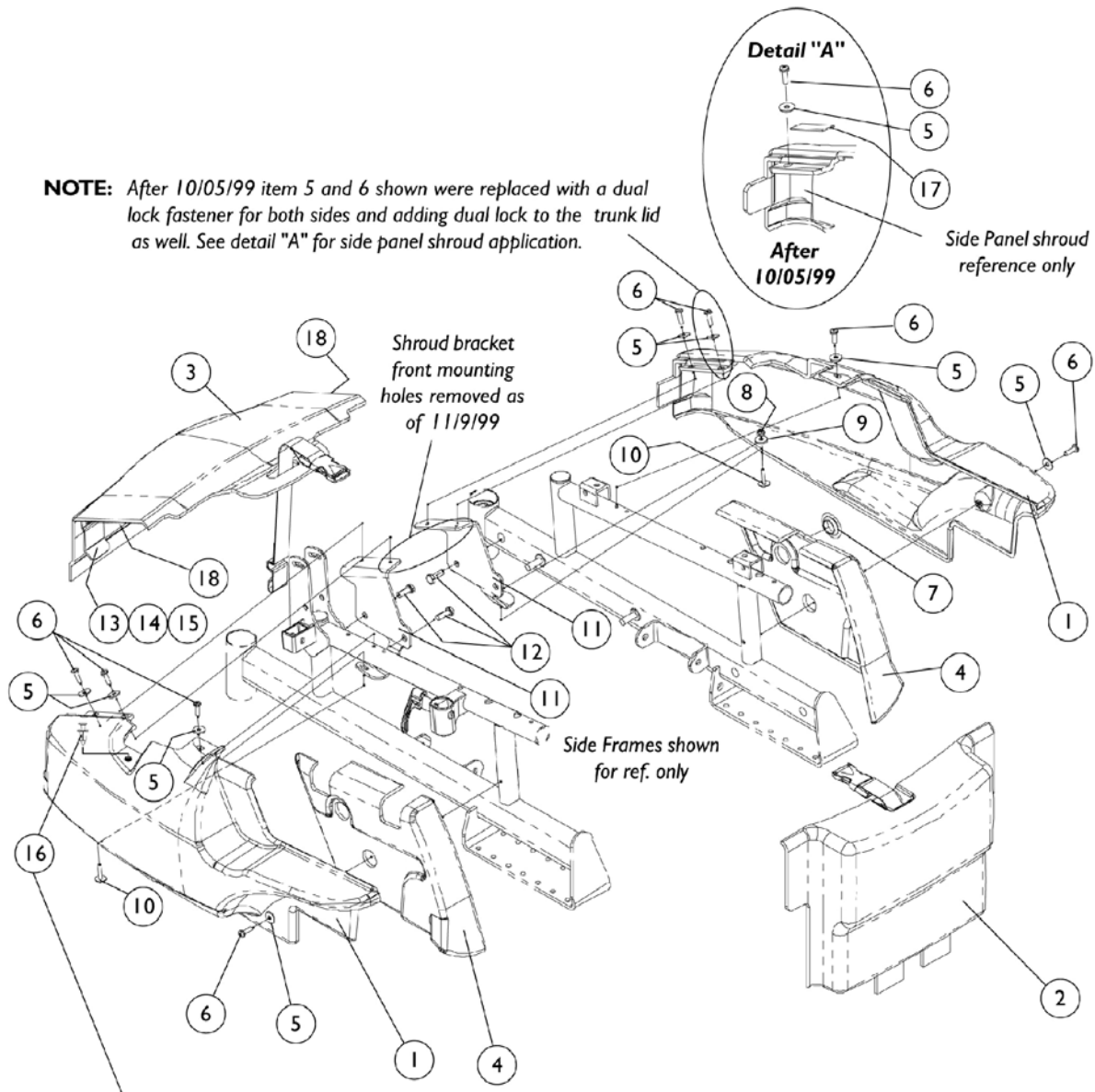
R2 jr. (14" Wide)

| Item Number | Note | Part Number | Description | Quantity Per | |
|-------------|------|-------------|---------------------------------------------------------------------------------------------------------------------------|--------------|----------|
| | | | | Package | Assembly |
| 1 | | 1086168 | Harness, Wiring, R2 jr. | 1 | 1 |
| 2 | | 1088802-NLA | NLA - Screw, Phillips Pan Head (6-32 x 1-1/4") | 1 | 2 |
| 3 | | 1088801-NLA | NLA - Washer, Nylon (3/16 x 1/2 x 3/8") | 1 | 2 |
| 4 | | 1011980 | Screw, Phillips Pan Head (#6-32 x 3/4") | 1 | 2 |
| 5 | | 1090117 | Fuse - Buss Mini ATM-15 (15 AMP) | 1 | 1 |
| 6 | | 1090357-NLA | NLA - Wrap, Slit Wire Harness (1/2" O.D., 36" Long Cut To Length) | 1 | 1 |
| 7 | | P0870X050 | Nut, Keps (#6-32) | 1 | 2 |
| 8 | | 1030949 | Screw, Hex Head (1/4-20 x 1-1/2") | 1 | 1 |
| 9 | | 1086804-NLA | NLA - Bracket, Battery Charger Connector | 1 | 1 |
| 10 | | 1087226-NLA | NLA - Screw, Phillips Pan Head Tap (#4-24 x 3/8") | 1 | 1 |
| 11 | | 7930333 | Locknut (1/4-20) | 25 | 1 |
| 12 | A | 1053161 | Charger, Battery, 8 Amp, 115vac, Off Board Dual Mode Round Plug, Lester | 1 | 1 |
| 12 | | 1085678-NLA | NLA - Charger, Battery, 8 Amp. 115vac, Off Board, Dual Mode, Round Plug w/ AC Power Line Cord, Dynamic | 1 | 1 |
| 12 | D,D1 | 1123249 | Charger, Battery, 8 Amp. 115vac (Off Board) Single Mode Round Plug w/ AC Power Line Cord, CTE Corp. | 1 | 1 |
| 12 | D,D1 | 1123249E | WARR RPLMT - Charger, Battery, 8 Amp, 115VAC (Off Board) Single Mode Round Plug w/ AC Power Line Cord, CTE Corp. | 1 | 1 |
| 13 | | 1083929 | Cable, Charger Extension, Round Plug (24" L) | 1 | 1 |
| 14 | E | 1089627-NLA | NLA - Cord, AC Power, 115VAC, 2 Prong Off-Board (11' 6" L) | 1 | 1 |
| 14 | | 1121086 | Cord, AC Power, 115VAC, 3 Prong On-Board (6' 6-1/2" L) | 1 | 1 |
| 15 | | 1095502 | Package, Tie Wrap (11-1/2" L) | 10 | 1 |
| 16 | B | 1098892 | Fuse - Buss ATC-15 (15 AMP) | 1 | 1 |
| 16 | C | 1090117 | Fuse - Buss Mini ATM-15 (15 AMP) | 1 | 2 |
| 17 | B | 1101099-NLA | NLA - Fuse, Buss ATC-20 (20 AMP) | 1 | 1 |
| 17 | C | 1119230-NLA | NLA - Fuse - Buss Mini ATM-20 (20 AMP) | 1 | 1 |

NOTE: A - On 7/18/01 Lester 8 AMP battery charger was reinstated.
 B - Before 4/1/03
 C - After 3/31/03
 D - CTE charger introduced 4/1/04. Used on Gel Cell or AGM (Absorbed Glass Mat) batteries. For wet cell batteries refer to the 8 amp. Lester charger.
 D1 - CTE charger looks exactly the same as Dynamic's charger except for the company name that is silk screened on the narrow side panel, where the charger plug is (hard wired) attached. Serial number starts with 04A00000001.
 E - No longer available as a service part. Please use 1121086 as its replacement.

Shroud Covers (Before 3/1/00)

NOTE: After 10/05/99 item 5 and 6 shown were replaced with a dual lock fastener for both sides and adding dual lock to the trunk lid as well. See detail "A" for side panel shroud application.



NOTE: Panel fastener is not used on high back captain seat shroud covers

Shroud Covers (Before 3/1/00)

Item #'s 1-4 Shroud Covers

| Item Number | Description | Bright Plum Metallic | Bright Blue Metallic | Blue Green Chameleon | Candy Apple Red | Bright Silver Metallic |
|-------------|---------------------------------------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| 1 | Side Panel with Rubber Bushing (Captain & Sling Seat) - Right | 1087147-NLA See Note(s) B | 1087148-NLA See Note(s) B | 1087149-NLA See Note(s) B | 1087150-NLA See Note(s) B | 1087151-NLA See Note(s) B |
| 1 | Side Panel with Rubber Bushing (Captain & Sling Seat) - Left | 1087152 See Note(s) B | 1087153-NLA See Note(s) B | 1087154-NLA See Note(s) B | 1087155-NLA See Note(s) B | 1087156-NLA See Note(s) B |
| 2 | Battery Cover Ranger II Only - 16" W | 1085576-NLA See Note(s) C, A | 1085577-NLA See Note(s) C, A | 1085578-NLA See Note(s) A, C | 1085579-NLA See Note(s) A, C | 1086624-NLA See Note(s) C, A |
| 2 | Battery Cover Ranger II Only - 18" W | 1085580-NLA See Note(s) A, C | 1085581-NLA See Note(s) C, A | 1085582-NLA See Note(s) C | 1085583 See Note(s) C | 1086625-NLA See Note(s) C, A |
| 2 | Battery Cover Ranger II Only - 20" W | 1085584 | 1085585 | 1085586-NLA See Note(s) A | 1085587 | 1086626-NLA See Note(s) A |
| 3 | Trunk Lid - 16" W | 1087157-NLA See Note(s) A, C | 1087158-NLA See Note(s) A, C | 1087159-NLA See Note(s) A, C | 1087160-NLA See Note(s) C, A | 1087161-NLA See Note(s) C, A |
| 3 | Trunk Lid - 18" W | 1087162-NLA See Note(s) C, A | 1087163-NLA See Note(s) C | 1087164-NLA See Note(s) C | 1087165-NLA See Note(s) C | 1087166-NLA See Note(s) C, A |
| 3 | Trunk Lid - 20" W | 1087167 See Note(s) C | 1087168-NLA See Note(s) A | 1087169-NLA See Note(s) C | 1087170-NLA See Note(s) C | 1087171-NLA See Note(s) C, A |
| 4 | Filler w/o Plug Button (Captain) - Black Only - Right | 1088309-NLA | 1088309-NLA | 1088309-NLA | 1088309-NLA | 1088309-NLA |
| 4 | Filler w/o Plug Button (Captain) - Black Only - Left | 1088310-NLA | 1088310-NLA | 1088310-NLA | 1088310-NLA | 1088310-NLA |
| 4 | Filler w/o Plug Button (Sling Seat) - Black Only - Right | 1088311-NLA | 1088311-NLA | 1088311-NLA | 1088311-NLA | 1088311-NLA |

Shroud Covers (Before 3/1/00)

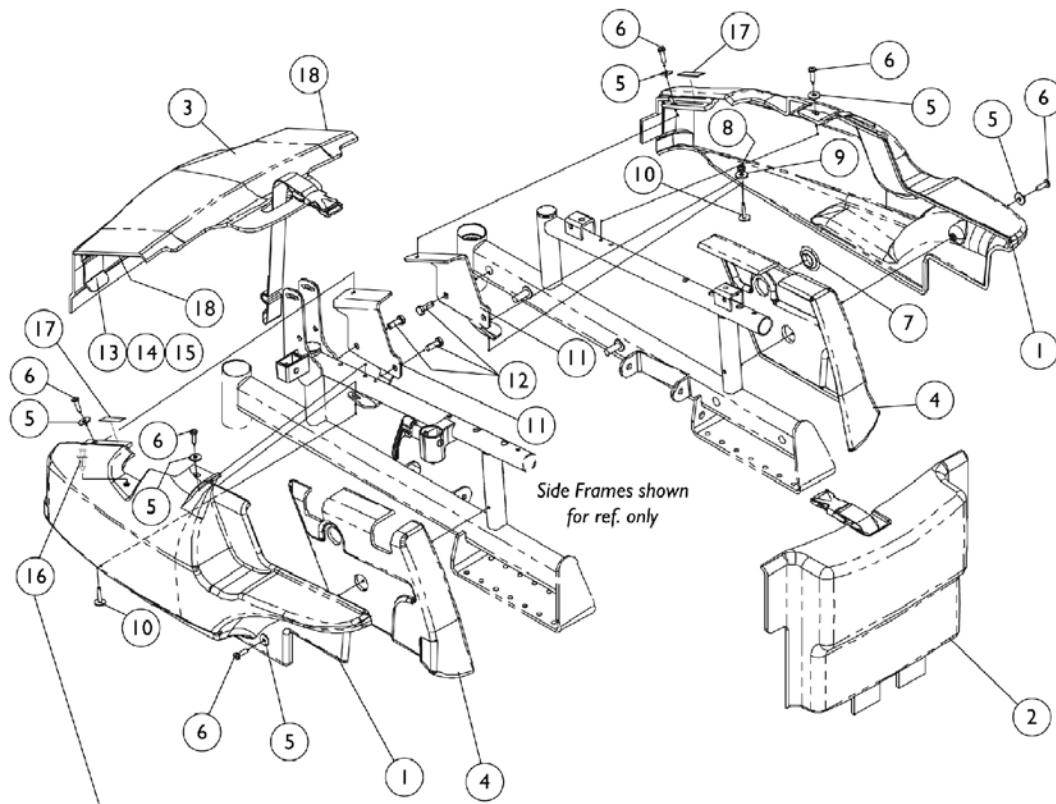
Item #'s 1-4 Shroud Covers

| Item Number | Description | Bright Plum Metallic | Bright Blue Metallic | Blue Green Chameleon | Candy Apple Red | Bright Silver Metallic |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----------------------|----------------------|----------------------|-----------------|------------------------|
| 4 | Filler w/o Plug Button (Sling Seat) - Black Only - Left | 1088312-NLA | 1088312-NLA | 1088312-NLA | 1088312-NLA | 1088312-NLA |
| NOTE: A - Shroud is No Longer Available. See Shroud pages dated "After 2/29/00" for color conversion options. B - Decals not included. See page titled, "Packaging, Literature and Decals." C - Captain seat shrouds in 18" wide only. | | | | | | |

Shroud Covers (Before 3/1/00)

| Item Number | Note | Part Number | Description | Quantity Per | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|--------------------------------------------------|--------------|----------|
| | | | | Package | Assembly |
| 1-4 | | See Chart | Item #'s 1-4 Shroud Covers | 1 | 1 |
| 5 | A | 1070587 | Washer, Flat (3/16 x 5/8 x 1/16") | 1 | 8 |
| 6 | A | 1028755 | Screw, Phillips Pan Head (#10-32 x 5/8") | 1 | 8 |
| 7 | | 1089724-NLA | NLA - Plug Button, Black | 1 | 2 |
| 8 | | 7930332-NLA | NLA - Locknut, High Profile (#10-32) | 25 | 1 |
| 9 | | 1070594-NLA | NLA - Bushing, Rubber | 1 | 1 |
| 10 | | 1070575-NLA | NLA - Screw, SEMS w/ Washer (#10-32 x 7/8") | 1 | 2 |
| 11 | | 1088261-NLA | NLA - Bracket, Shroud, Black - Right | 1 | 1 |
| 11 | | 1088262 | Bracket, Shroud, Black - Left | 1 | 1 |
| 12 | | 1050161 | Screw, Hex Head w/ Patch (5/16-18 x 1") | 1 | 3 |
| 13 | | 1070577-NLA | NLA - Plate, Trunk Clip | 1 | 2 |
| 14 | | 1070588-NLA | NLA - Screw, Phillips Truss Head (#10-32 x 1/2") | 1 | 4 |
| 15 | | 7930332-NLA | NLA - Locknut, High Profile (#10-32) | 25 | 1 |
| 16 | B | 1088497-NLA | NLA - Fastener, Panel (5/8" W x 3/4" L) | 1 | 1 |
| 17 | | 1070555-NLA | NLA - Fastener, Dual Lock (5/8" W x 2" L) | 1 | 2 |
| 18 | | 1070556-NLA | NLA - Fastener, Dual Lock (1" W x 2" L) | 1 | 2 |
| | C,D | 1087172 | Hardware, Side Panel Attaching | 1 | 1 |
| NOTE: A - After 10/05/99 quantity changed from 8 to 6 when dual lock fastener was added to side panel shrouds and trunk lid. See detail "A" on previous page. B - Sling Seat Only. C - Includes Items 5, 6, 10, 11, 12, 15 and 17. D - Not Shown. | | | | | |

Shroud Covers (After 2/29/00)



NOTE: Panel fastener is not used on high
back captain seat shroud covers

Shroud Covers (After 2/29/00)

Item #'s 1-4 Shroud Covers

| Item Number | Description | Ocean Blue | Emerald Green | Liquid Black | Candy Apple Red |
|-------------|---------------------------------------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| 1 | Side Panel with Rubber Bushing (Captain & Sling Seat) - Right | 1095408 See Note(s) A | 1095409 See Note(s) A | 1095407 See Note(s) A | 1095406-NLA See Note(s) A |
| 1 | Side Panel with Rubber Bushing (Captain & Sling Seat) - Left | 1095412 See Note(s) A | 1095413 See Note(s) A | 1095411 See Note(s) A | 1095410 See Note(s) A |
| 2 | Battery Cover Ranger II Only - 16" W | 1095392-NLA See Note(s) B | 1095393-NLA See Note(s) B | 1095391-NLA See Note(s) B | 1095390-NLA See Note(s) B |
| 2 | Battery Cover Ranger II Only - 18" W | 1095396-NLA See Note(s) B | 1095397-NLA See Note(s) B | 1095395-NLA See Note(s) B | 1095394-NLA See Note(s) B |
| 2 | Battery Cover Ranger II Only - 20" W | 1095400-NLA See Note(s) B | 1095401-NLA See Note(s) B | 1095399-NLA See Note(s) B | 1095398-NLA See Note(s) B |
| 3 | Trunk Lid - 16" W | 1095416-NLA See Note(s) B | 1095417-NLA See Note(s) B | 1095415-NLA See Note(s) B | 1095414-NLA See Note(s) B |
| 3 | Trunk Lid - 18" W | 1095420-NLA See Note(s) B | 1095421-NLA See Note(s) B | 1095419-NLA See Note(s) B | 1095418-NLA See Note(s) B |
| 3 | Trunk Lid - 20" W | 1095424-NLA See Note(s) B | 1095425-NLA See Note(s) B | 1095423-NLA See Note(s) B | 1095422-NLA See Note(s) B |
| 4 | Filler without Plug Button (Captain) (Black only) - Right | 1088309-NLA | 1088309-NLA | 1088309-NLA | 1088309-NLA |
| 4 | Filler without Plug Button (Captain) (Black only) - Left | 1088310-NLA | 1088310-NLA | 1088310-NLA | 1088310-NLA |
| 4 | Filler without Plug Button (Sling Seat) (Black only) - Right | 1088311-NLA | 1088311-NLA | 1088311-NLA | 1088311-NLA |
| 4 | Filler without Plug Button (Sling Seat) (Black only) - Left | 1088312-NLA | 1088312-NLA | 1088312-NLA | 1088312-NLA |

Shroud Covers (After 2/29/00)

Item #'s 1-4 Shroud Covers

| Item Number | Description | Ocean Blue | Emerald Green | Liquid Black | Candy Apple Red |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| | Color Conversion Package, Ranger II - 16" W | 1096899 See Note(s) D, C, B, A | 1096900 See Note(s) C, D, B, A | 1096898 See Note(s) D, C, B, A | 1096897 See Note(s) D, C, B, A |
| | Color Conversion Package, Ranger II - 18" W | 1096895 See Note(s) D, B, A, C | 1096896 See Note(s) A, B, C, D | 1096894 See Note(s) A, B, D | 1096893 See Note(s) A, D, B |
| | Color Conversion Package, Ranger II - 20" W | 1096903 See Note(s) D, C | 1096904 See Note(s) D | 1096902 See Note(s) D, C | 1096901 See Note(s) D, C |
| | Color Conversion Package, Excel - 16" W | 1096915-NLA See Note(s) D, C | 1096916-NLA See Note(s) D, C | 1096914-NLA See Note(s) D | 1096913-NLA See Note(s) D |
| | Color Conversion Package, Excel - 18" W | 1096911-NLA See Note(s) D, C | 1096912-NLA See Note(s) D, C | 1096910-NLA See Note(s) D, C | 1096909-NLA See Note(s) D, C, B, A |
| | Color Conversion Package, Excel - 20" W | 1096919-NLA See Note(s) D, C, A, B | 1096920-NLA See Note(s) D, C, B, A | 1096918-NLA See Note(s) D, B, C, A | 1096917-NLA See Note(s) A, B, C, D |
| NOTE: A - Decals not included. See page titled, "Packaging, Literature and Decals." B - Captain seat shrouds in 18" wide only. C - Not Shown. D - Includes Items 1, 3, 5, 6, 8, 10, 16 and 17. | | | | | |

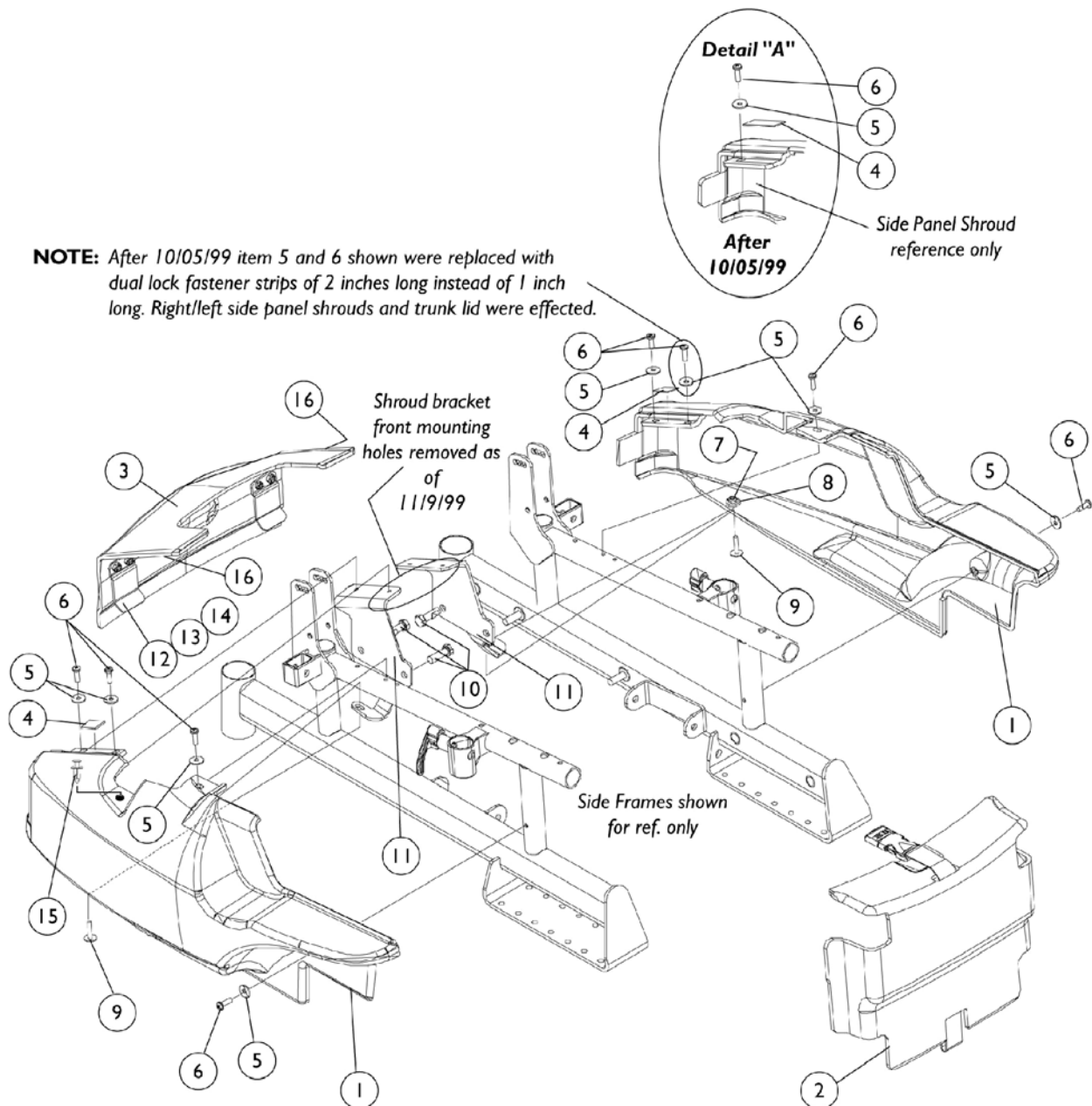
Shroud Covers (After 2/29/00)

| Item Number | Note | Part Number | Description | Quantity Per | |
|--------------------------------------------------------------------------------------------------|------|-------------|--------------------------------------------------|--------------|----------|
| | | | | Package | Assembly |
| 1-4 | | See Chart | Item #'s 1-4 Shroud Covers | 1 | 1 |
| 5 | | 1070587 | Washer, Flat (3/16 x 5/8 x 1/16") | 1 | 6 |
| 6 | | 1028755 | Screw, Phillips Pan Head (#10-32 x 5/8") | 1 | 6 |
| 7 | | 1089724-NLA | NLA - Plug Button, Black | 1 | 2 |
| 8 | | 7930332-NLA | NLA - Locknut, High Profile (#10-32) | 25 | 1 |
| 9 | | 1070594-NLA | NLA - Bushing, Rubber | 1 | 1 |
| 10 | | 1070575-NLA | NLA - Screw, SEMS w/ Washer (#10-32 x 7/8") | 1 | 2 |
| 11 | | 1088261-NLA | NLA - Bracket, Shroud, Black - Right | 1 | 1 |
| 11 | | 1088262 | Bracket, Shroud, Black - Left | 1 | 1 |
| 12 | | 1050161 | Screw, Hex Head w/ Patch (5/16-18 x 1") | 1 | 3 |
| 13 | | 1070577-NLA | NLA - Plate, Trunk Clip | 1 | 2 |
| 14 | | 1070588-NLA | NLA - Screw, Phillips Truss Head (#10-32 x 1/2") | 1 | 4 |
| 15 | | 7930332-NLA | NLA - Locknut, High Profile (#10-32) | 25 | 1 |
| 16 | C | 1088497-NLA | NLA - Fastener, Panel (5/8" W x 3/4" L) | 1 | 1 |
| 17 | | 1070555-NLA | NLA - Fastener, Dual Lock (5/8" W x 2" L) | 1 | 2 |
| 18 | | 1070556-NLA | NLA - Fastener, Dual Lock (1" W x 2" L) | 1 | 2 |
| | A,B | 1087172 | Hardware, Side Panel Attaching | 1 | 1 |
| NOTE: A - Not Shown. B - Includes Items 5, 6, 10, 11, 12, 15, and 17. C - Sling Seat Only. | | | | | |

Shroud Covers

R2 jr. (14" Wide)

(Before 3/1/00)



Shroud Covers

R2 jr. (14" Wide)

(Before 3/1/00)

Item #'s 1-3 Shroud Covers

R2 jr. (14" Wide)

| Item Number | Description | Bright Plum Metallic | Bright Blue Metallic | Blue Green Chameleon | Candy Apple Red | Bright Silver Metallic |
|-------------|-----------------------------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| 1 | Side Panel with Rubber Bushing (Sling Seat) - Right | 1087147-NLA See Note(s) A, B | 1087148-NLA See Note(s) A, B | 1087149-NLA See Note(s) B, A | 1087150-NLA See Note(s) B, A | 1087151-NLA See Note(s) A, B |
| 1 | Side Panel with Rubber Bushing (Sling Seat) - Left | 1087152 See Note(s) B, A | 1087153-NLA See Note(s) A | 1087154-NLA See Note(s) A | 1087155-NLA See Note(s) A | 1087156-NLA See Note(s) A |
| 2 | Battery Cover | 1085572-NLA See Note(s) B | 1085573-NLA See Note(s) B | 1085574-NLA See Note(s) B | 1085575-NLA See Note(s) B | 1086623-NLA See Note(s) B |
| 3 | Trunk Lid | 1086181-NLA See Note(s) B | 1086182-NLA See Note(s) B | 1086183-NLA See Note(s) B | 1086184-NLA See Note(s) B | 1086185-NLA See Note(s) B |

NOTE: A - Decals not included. See page titled, "Packaging, Literature and Decals."
B - These Shrouds are no longer available. See page titled, "Shroud Covers - After 2/29/00" for color conversion options.

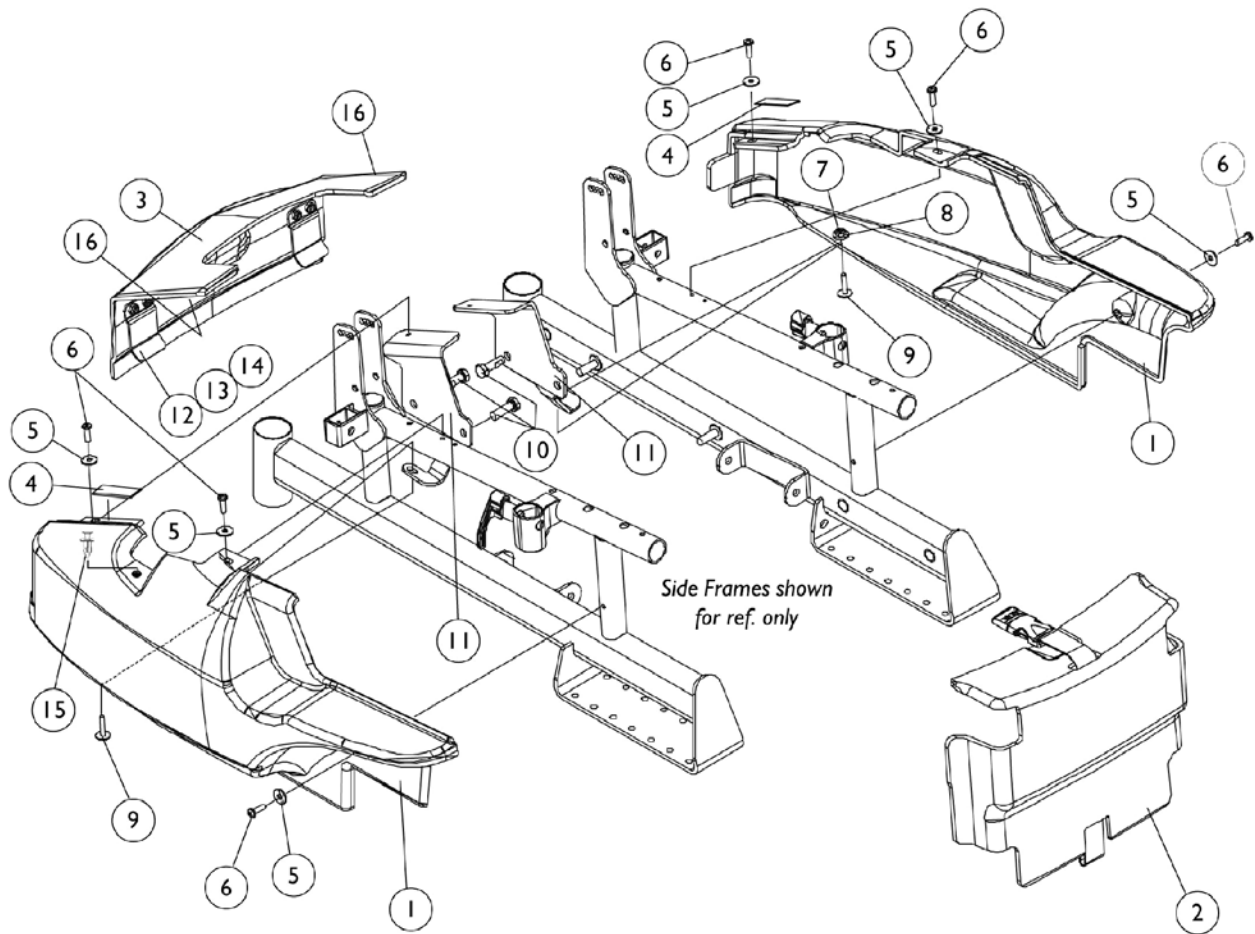
| Item Number | Note | Part Number | Description | Quantity Per | |
|-------------|------|-------------|--------------------------------------------------|--------------|----------|
| | | | | Package | Assembly |
| 1-3 | | See Chart | Item #'s 1-3 Shroud Covers | 1 | 1 |
| 4 | | 1070555-NLA | NLA - Fastener, Dual Lock (5/8" W x 2" L) | 1 | 2 |
| 5 | | 1070587 | Washer, Flat (3/16 x 5/8 x 1/16") | 1 | 8 |
| 6 | | 1028755 | Screw, Phillips Pan Head (#10-32 x 5/8") | 1 | 8 |
| 7 | | 7930332-NLA | NLA - Locknut, High Profile (#10-32) | 25 | 1 |
| 8 | | 1070594-NLA | NLA - Bushing, Rubber | 1 | 2 |
| 9 | | 1070575-NLA | NLA - Screw, SEMS w/ Washer (#10-32 x 7/8") | 1 | 2 |
| 10 | | 1050161 | Screw, Hex Head w/ Patch (5/16-18 x 1") | 1 | 3 |
| 11 | | 1088261-NLA | NLA - Bracket, Shroud, Black - Right | 1 | 1 |
| 11 | | 1088262 | Bracket, Shroud, Black - Left | 1 | 1 |
| 12 | | 1070577-NLA | NLA - Plate, Trunk Clip | 1 | 2 |
| 13 | | 1070588-NLA | NLA - Screw, Phillips Truss Head (#10-32 x 1/2") | 1 | 4 |
| 14 | | 7930332-NLA | NLA - Locknut, High Profile (#10-32) | 25 | 1 |
| 15 | | 1088497-NLA | NLA - Fastener, Panel (5/8" W x 3/4" L) | 1 | 1 |
| 16 | | 1070556-NLA | NLA - Fastener, Dual Lock (1" W x 2" L) | 1 | 2 |
| | A,B | 1086186 | Hardware, Side Panel Attaching | 1 | 1 |

NOTE: A - Not Shown.
B - Includes Items 4-7 and 9-11.

Shroud Covers

R2 jr. (14" Wide)

(After 2/29/00)



Shroud Covers

R2 jr. (14" Wide)

(After 2/29/00)

Item #'s 1-3 Shroud Covers

R2 jr. (14" Wide)
After 2/29/00

| Item Number | Description | Ocean Blue | Emerald Green | Liquid Black | Candy Apple Red |
|-----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| 1 | Side Panel with Rubber Bushing - Right | 1095408 See Note(s) A | 1095409 See Note(s) A | 1095407 See Note(s) A | 1095406-NLA See Note(s) A |
| 1 | Side Panel with Rubber Bushing - Left | 1095412 See Note(s) A | 1095413 See Note(s) A | 1095411 See Note(s) A | 1095410 See Note(s) A |
| 2 | Battery Cover | 1095388-NLA | 1095389-NLA | 1095387-NLA | 1095386-NLA |
| 3 | Trunk Lid | 1095404-NLA | 1095405-NLA | 1095403-NLA | 1095402-NLA |
| | Color Conversion Package | 1096907 See Note(s) A, C, B | 1096908 See Note(s) C, B, A | 1096906 See Note(s) B, A, C | 1096905 See Note(s) B, C, A |
| NOTE: A - Decals not included. See page titled, "Packaging, Literature and Decals." B - Includes Items 1-7, 9, 15. C - Not Shown. | | | | | |

| Item Number | Note | Part Number | Description | Quantity Per | |
|----------------------------------------------------------|------|-------------|--------------------------------------------------|--------------|----------|
| | | | | Package | Assembly |
| 1-3 | | See Chart | Item #'s 1-3 Shroud Covers | 1 | 1 |
| 4 | | 1070555-NLA | NLA - Fastener, Dual Lock (5/8" W x 2" L) | 1 | 2 |
| 5 | | 1070587 | Washer, Flat (3/16 x 5/8 x 1/16") | 1 | 8 |
| 6 | | 1028755 | Screw, Phillips Pan Head (#10-32 x 5/8") | 1 | 8 |
| 7 | | 7930332-NLA | NLA - Locknut, High Profile (#10-32) | 25 | 1 |
| 8 | | 1070594-NLA | NLA - Bushing, Rubber | 1 | 2 |
| 9 | | 1070575-NLA | NLA - Screw, SEMS w/ Washer (#10-32 x 7/8") | 1 | 2 |
| 10 | | 1050161 | Screw, Hex Head w/ Patch (5/16-18 x 1") | 1 | 3 |
| 11 | | 1088261-NLA | NLA - Bracket, Shroud, Black - Right | 1 | 1 |
| 11 | | 1088262 | Bracket, Shroud, Black - Left | 1 | 1 |
| 12 | | 1070577-NLA | NLA - Plate, Trunk Clip | 1 | 2 |
| 13 | | 1070588-NLA | NLA - Screw, Phillips Truss Head (#10-32 x 1/2") | 1 | 4 |
| 14 | | 7930332-NLA | NLA - Locknut, High Profile (#10-32) | 25 | 1 |
| 15 | | 1088497-NLA | NLA - Fastener, Panel (5/8" W x 3/4" L) | 1 | 1 |
| 16 | | 1070556-NLA | NLA - Fastener, Dual Lock (1" W x 2" L) | 1 | 2 |
| | A,B | 1086186 | Hardware, Side Panel Attaching | 1 | 1 |
| NOTE: A - Not Shown. B - Includes Items 4-7 and 9-11. | | | | | |

Front Riggings Reference Chart

Support Assemblies

| Riggings | Color Right | Color Left | Chrome Right | Chrome Left |
|---------------------------|-----------------------------|-----------------------------|--------------------------|--------------------------|
| PW93 | 8881070776 | 8881070777 | N/A | N/A |
| PW93ST | 8881070784 | 8881070785 | N/A | N/A |
| PW93E | 8881070768 | 8881070769 | N/A | N/A |
| P93M | 8881037836-NLA | 8881037837-NLA | N/A | N/A |
| P904A (14-20" W) | 8881058646 See Note(s) A | 8881058647 See Note(s) A | N/A See Note(s) A | N/A See Note(s) A |
| PAS4A/PAL4A (14-20" W) | N/A | N/A | 1058482 See Note(s) A | 1058483 See Note(s) A |

NOTE: A - Calf pads and attaching hardware not included with legrest. See page titled "Calf Pads and Attaching Hardware."

Pivot/Slide Tube with Footplate P93M

| Side | Alumunim Footplate (Standard - 1650) | Deluxe Aluminum Footplate (1450) | Extra Large Aluminum Footplate (1350) |
|---------------------------|-----------------------------------------|-------------------------------------|---------------------------------------------|
| 14"W - Right | 1058573-NLA | N/A | 1031928-NLA |
| 14"W - Left | 1058574-NLA | N/A | 1031929-NLA |
| 16-20"W - Right | 1057969 | 1028892-NLA See Note(s) A | 1031924-NLA |
| 16-20"W - Left | 1057970 | 1028893-NLA See Note(s) A | 1031925-NLA |
| 16-20"W 2" Longer - Right | N/A | N/A | 1086519-NLA |
| 16-20"W 2" Longer - Left | N/A | N/A | 1086523-NLA |
| 16-20"W 4" Longer - Right | N/A | N/A | 1086520-NLA |
| 16-20"W 4" Longer - Left | N/A | N/A | 1086524-NLA |

NOTE: A - No longer available as a service part individually.

NOTE: The Pivot/Slide tube mounting hardware is not included.

Front Riggings Reference Chart

Pivot/Slide Tube with Footplate PW93/PW93E

| Side | Aluminum Footplate (Standard - 1650) | Deluxe Aluminum Footplate (1450) | Extra Large Aluminum Footplate (1350) | Adjustable Angle Flip-up Footplate (AT5543) |
|------------------------------|-----------------------------------------|----------------------------------------|---------------------------------------------|---------------------------------------------------|
| 14"W - Right | 1041542-NLA | N/A | 1086790-NLA | 1060444 |
| 14"W - Left | 1041543-NLA | N/A | 1086791-NLA | 1060445 |
| 16-20"W - Right | 1074149 | 1074151 | 1026395 | 1062756 |
| 16-20"W - Left | 1074150 | 1074152 | 1026396 | 1062757 |
| 16-20"W 2" Longer - Right | 1086494-NLA | N/A | 1086515 | N/A |
| 16-20"W 2" Longer - Left | 1086497-NLA | N/A | 1086517 | N/A |
| 16-20"W 4" Longer - Right | 1086495-NLA | N/A | 1086516 | N/A |
| 16-20"W 4" Longer - Left | 1086498-NLA | N/A | 1086518 | N/A |

NOTE: The Pivot/Slide tube mounting hardware is not included.

Pivot/Slide Tube with Footplate PW93ST

| Side | Composite Footplate (1651) |
|-----------------|-------------------------------|
| 16-20"W - Right | 1057859 |
| 16-20"W - Left | 1057860 |

NOTE: The Pivot/Slide tube mounting hardware is not included.

Front Riggings Reference Chart

Pivot/Slide Tube with Footplate PAS4A

| Side | Aluminum Footplate (Standard - 1650) | Extra Large Aluminum Footplate (1350) |
|--------------|-----------------------------------------|------------------------------------------|
| 14"W - Right | 1023905-NLA | 1035454-NLA |
| 14"W - Left | 1023906-NLA | 1035455-NLA |

NOTE: The Pivot/Slide tube mounting hardware is not included.

Pivot/Slide Tube with Footplate PAL4A

| Side | Aluminum Footplate (Standard - 1650) | Extra Large Aluminum Footplate (1350) |
|-----------------|-----------------------------------------|------------------------------------------|
| 16-20"W - Right | 1023907 | 1035456 |
| 16-20"W - Left | 1023908 | 1035457 |

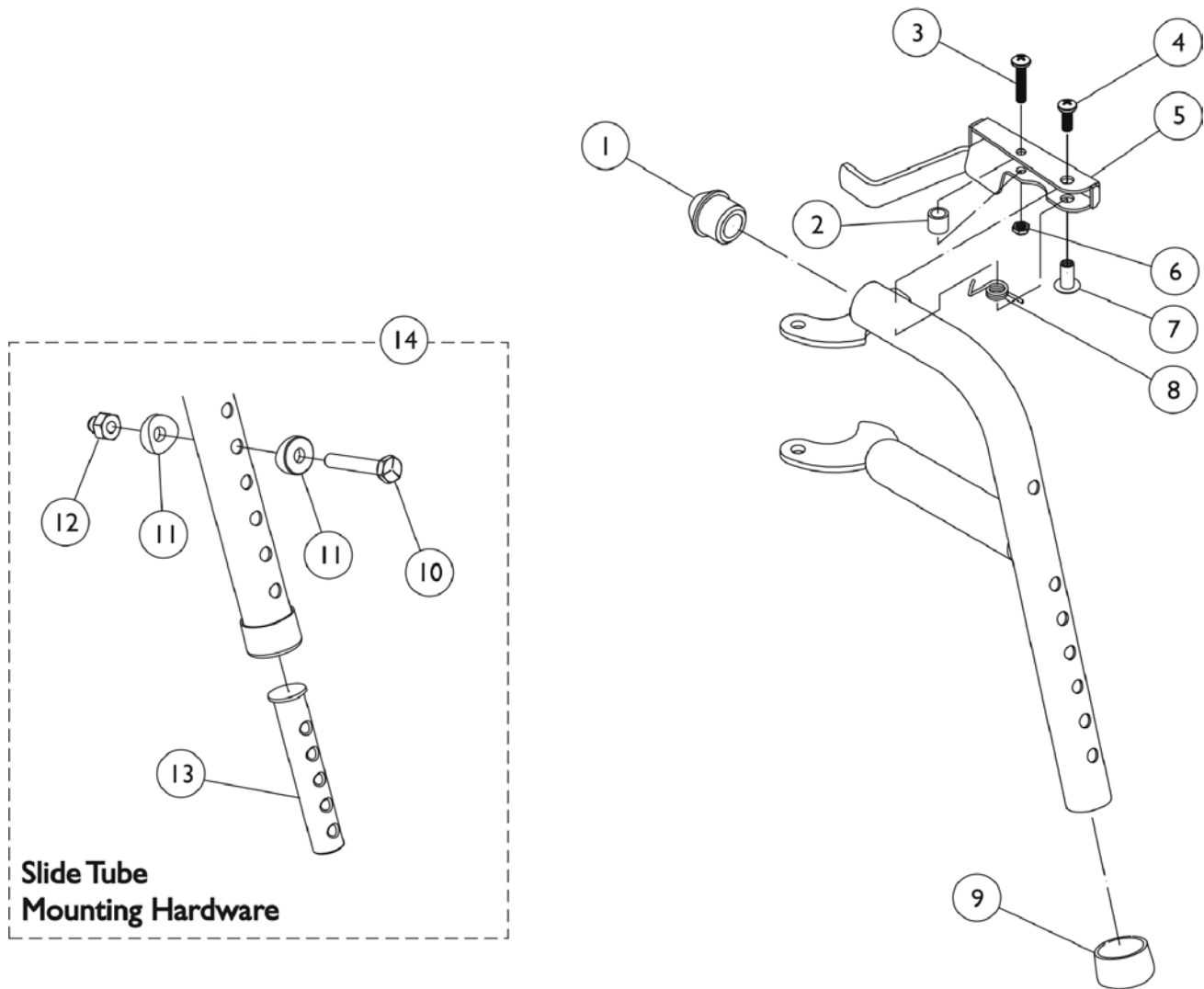
NOTE: The Pivot/Slide tube mounting hardware is not included.

Pivot/Slide Tube with Footplate P904A

| Side | Aluminum Footplate (Standard - 1650) | Deluxe Aluminum Footplate (1450) | Extra Large Aluminum Footplate (1350) |
|---------------------------|-----------------------------------------|-------------------------------------|---------------------------------------------|
| 14"W - Right | 1058612-NLA | N/A | 1058828-NLA |
| 14"W - Left | 1058613-NLA | N/A | 1058829-NLA |
| 16-20"W - Right | 1058604 | 1028723 | 1058830 |
| 16-20"W - Left | 1058605 | 1028724 | 1058831 |
| 16-20"W 2" Longer - Right | 1086529-NLA | N/A | 1086541-NLA |
| 16-20"W 2" Longer - Left | 1086531-NLA | N/A | 1086551-NLA |
| 16-20"W 4" Longer - Right | 1086530-NLA | N/A | 1086542-NLA |
| 16-20"W 4" Longer - Left | 1086532-NLA | N/A | 1086552-NLA |

NOTE: The Pivot/Slide tube mounting hardware is not included.

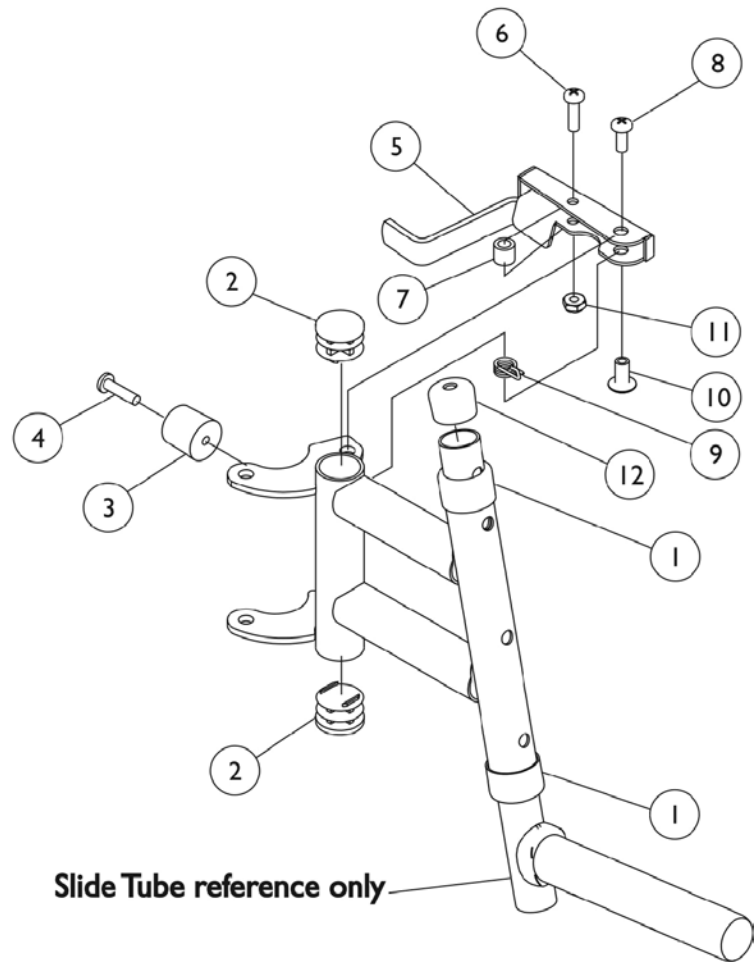
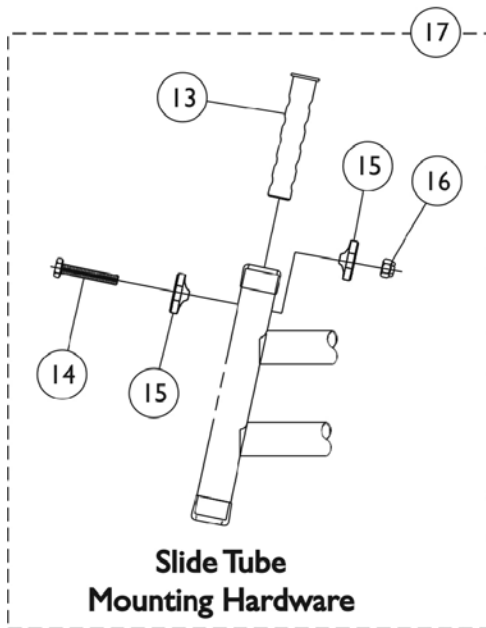
PW93 Footrest Supports



PW93 Footrest Supports

| Item Number | Note | Part Number | Description | Quantity Per | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-------------------------------------------------|--------------|----------|
| | | | | Package | Assembly |
| 1 | | 1020719 | Anti-Rattle, Black | 1 | 1 |
| 2 | | 47565X057 | Bushing (7/32 x 3/8 x 11/32") | 1 | 1 |
| 3 | | 1025716 | Screw, Phillips Pan Head (#10-32 x 11/16") | 1 | 1 |
| 4 | | 1026114 | Screw, Phillips Pan Head (#10-32 x 1/2") | 1 | 1 |
| 5 | | 1035539 | Handle, Release, Black - Right | 1 | 1 |
| 5 | | 1035540 | Handle, Release, Black - Left | 1 | 1 |
| 6 | | 1025735 | Locknut (#10-32) | 1 | 1 |
| 7 | | 1028846-NLA | NLA - Rivnut (#10-32) | 1 | 1 |
| 8 | | 1028707 | Spring, Release - Right | 1 | 1 |
| 8 | | 1028708 | Spring, Release - Left | 1 | 1 |
| 9 | | 15680X012 | Collar, Anti-Rattle (7/8") | 1 | 1 |
| 10 | | 1070759 | Screw, Hex Head (1/4-20 x 1-1/2") | 1 | 1 |
| 11 | | 1026099 | Spacer, Coved (1/4 x 11/16 x 1/2") | 1 | 2 |
| 12 | | 1044214 | Nut, Hex with Nylon Cap (1/4-20) | 1 | 1 |
| 13 | C | 1020534 | Insert, Threaded | 1 | 1 |
| 14 | | 1074143 | Kit, Slide Tube Mounting Hardware | 1 | 1 |
| | A,B | 8881070776 | Footrest Support Assembly, Adult, Color - Right | 1 | 1 |
| | A,B | 8881070777 | Footrest Support Assembly, Adult, Color - Left | 1 | 1 |
| NOTE: A - Not Shown. B - Specify frame color when ordering. See page titled, "Frame Finishes, Touch-Up Paint and Upholstery Options." C - As of 8/15/03, the Threaded Insert was revised from 3 to 5 Holes. Threaded Insert is Backward Compatible and does not require ordering in Pairs. | | | | | |

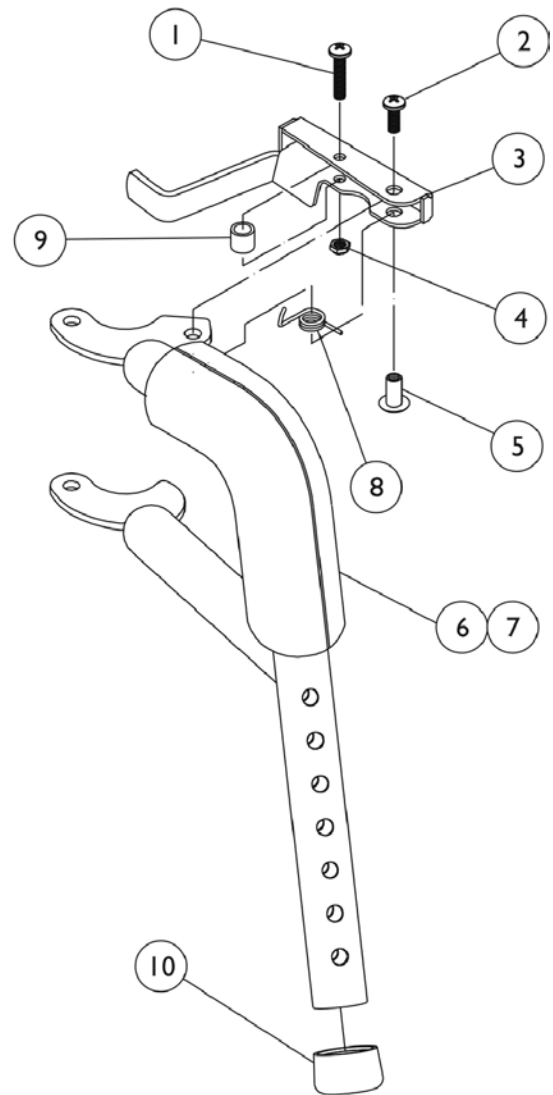
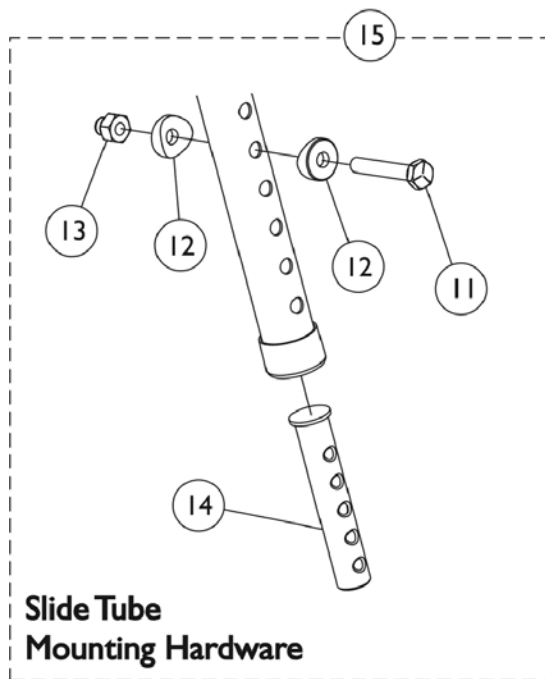
PW93E Footrest Supports



PW93E Footrest Supports

| Item Number | Note | Part Number | Description | Quantity Per | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-------------------------------------------------|--------------|----------|
| | | | | Package | Assembly |
| 1 | | 15680X012 | Collar, Anti-Rattle (7/8") | 1 | 2 |
| 2 | | 1027095 | Plug Button, Black (7/8") | 1 | 2 |
| 3 | | 1022874 | Bumper | 1 | 1 |
| 4 | | 1030979 | Screw, Phillips Pan Head Tap (#10-32 x 3/4") | 1 | 1 |
| 5 | | 1035539 | Handle, Release, Black - Right | 1 | 1 |
| 5 | | 1035540 | Handle, Release, Black - Left | 1 | 1 |
| 6 | | 1025716 | Screw, Phillips Pan Head (#10-32 x 11/16") | 1 | 1 |
| 7 | | 47565X057 | Bushing (7/32 x 3/8 x 11/32") | 1 | 1 |
| 8 | | 1026114 | Screw, Phillips Pan Head (#10-32 x 1/2") | 1 | 1 |
| 9 | | 1028707 | Spring, Release - Right | 1 | 1 |
| 9 | | 1028708 | Spring, Release - Left | 1 | 1 |
| 10 | | 1028846-NLA | NLA - Rivnut (#10-32) | 1 | 1 |
| 11 | | 1025735 | Locknut (#10-32) | 1 | 1 |
| 12 | | 1074108 | Cap, End Tube, Black (3/4") | 1 | 1 |
| 13 | C | 1020534 | Insert, Threaded | 1 | 1 |
| 14 | | 1070759 | Screw, Hex Head (1/4-20 x 1-1/2") | 1 | 1 |
| 15 | | 1026099 | Spacer, Coved (1/4 x 11/16 x 1/2") | 1 | 2 |
| 16 | | 1044214 | Nut, Hex with Nylon Cap (1/4-20) | 1 | 1 |
| 17 | | 1074143 | Kit, Slide Tube Mounting Hardware | 1 | 1 |
| | A,B | 8881070768 | Footrest Support Assembly, Adult, Color - Right | 1 | 1 |
| | A,B | 8881070769 | Footrest Support Assembly, Adult, Color - Left | 1 | 1 |
| NOTE: A - Not Shown. B - Specify frame color when ordering. See page titled, "Frame Finishes, Touch-Up Paint and Upholstery Options." C - As of 8/15/03, the Threaded Insert was revised from 3 to 5 Holes. Threaded Insert is Backward Compatible and does not require ordering in Pairs. | | | | | |

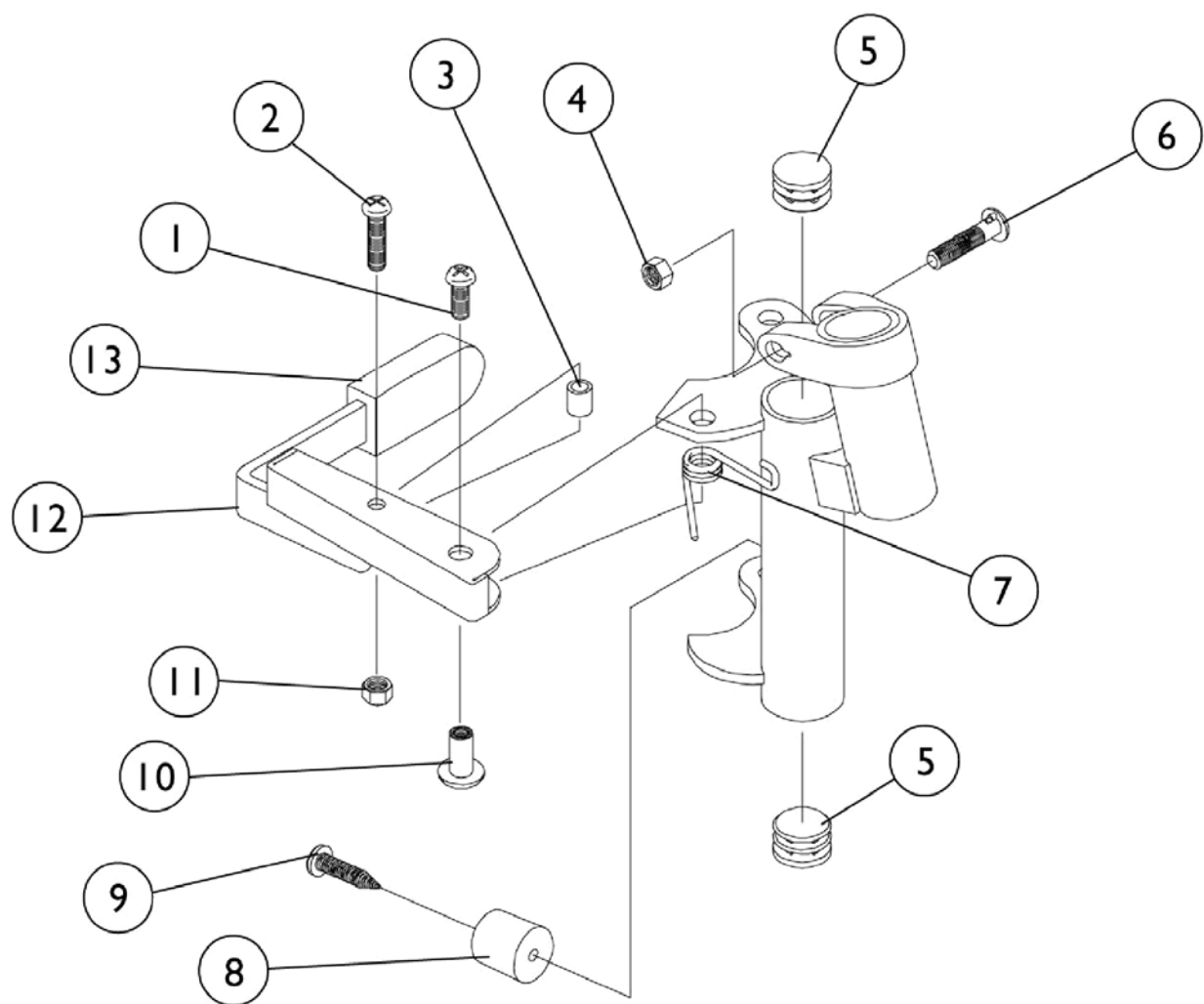
PW93ST Footrest Support



PW93ST Footrest Support

| Item Number | Note | Part Number | Description | Quantity Per | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-------------------------------------------------|--------------|----------|
| | | | | Package | Assembly |
| 1 | | 1025716 | Screw, Phillips Pan Head (#10-32 x 11/16") | 1 | 1 |
| 2 | | 1026114 | Screw, Phillips Pan Head (#10-32 x 1/2") | 1 | 1 |
| 3 | | 1035539 | Handle, Release, Black - Right | 1 | 1 |
| 3 | | 1035540 | Handle, Release, Black - Left | 1 | 1 |
| | A,B | 1026107 | Screw, Phillips Pan Head (#10-32 x 1-3/8") | 1 | 1 |
| | A,B | 1028485-NLA | NLA - Nut, Hex (#10-32) | 1 | 1 |
| 4 | | 1025735 | Locknut (#10-32) | 1 | 1 |
| 5 | | 1028846-NLA | NLA - Rivnut (#10-32) | 1 | 1 |
| 6 | | 1030434-NLA | NLA - Cushion, Tubular Foam | 1 | 1 |
| 7 | | 1030435-NLA | NLA - Cover, Foam Cushion | 1 | 1 |
| 8 | | 1028707 | Spring, Release - Right | 1 | 1 |
| 8 | | 1028708 | Spring, Release - Left | 1 | 1 |
| 9 | | 47565X057 | Bushing (7/32 x 3/8 x 11/32") | 1 | 1 |
| 10 | | 15680X012 | Collar, Anti-Rattle (7/8") | 1 | 1 |
| 11 | | 1070759 | Screw, Hex Head (1/4-20 x 1-1/2") | 1 | 1 |
| 12 | | 1026099 | Spacer, Coved (1/4 x 11/16 x 1/2") | 1 | 2 |
| 13 | | 1044214 | Nut, Hex with Nylon Cap (1/4-20) | 1 | 1 |
| 14 | E | 1020534 | Insert, Threaded | 1 | 1 |
| 15 | D | 1074143 | Kit, Slide Tube Mounting Hardware | 1 | 1 |
| | A,B | 1006490 | Tip, Plastic, Black | 1 | 1 |
| | C,B | 8881070784 | Footrest Support Assembly, Adult, Color - Right | 1 | 1 |
| | C,B | 8881070785 | Footrest Support Assembly, Adult, Color - Left | 1 | 1 |
| NOTE: A - These items are only required on Release Handles for chairs Before 10/1/00. B - Not Shown. C - Specify frame color when ordering. See page titled, "Frame Finishes, Touch-Up Paint and Upholstery Options." D - Per Side. E - As of 8/15/03, the Threaded Insert was revised from 3 to 5 Holes. Threaded Insert is Backward Compatible and does not require ordering in Pairs. | | | | | |

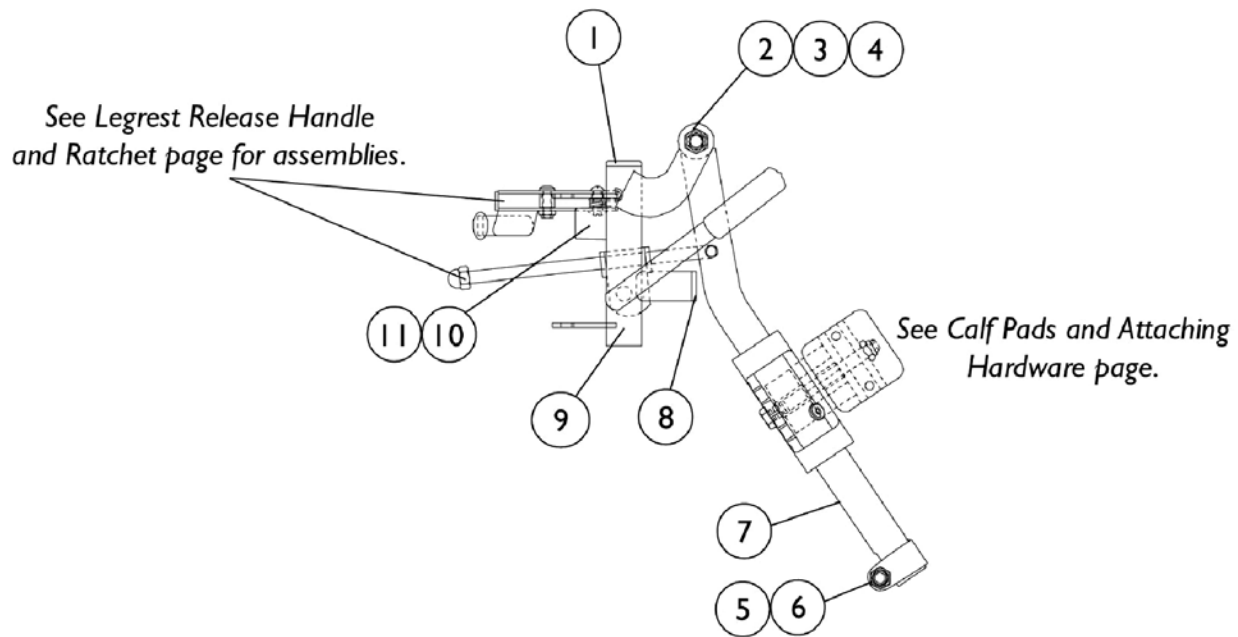
P93M Footrest Supports



P93M Footrest Supports

| Item Number | Note | Part Number | Description | Quantity Per | |
|------------------------------------------------------------------------------------------------------------------------------------------|------|--------------------|-----------------------------------------------------------|--------------|----------|
| | | | | Package | Assembly |
| 1 | | 7930359-NLA | NLA - Package, Screw, Phillips Pan Head (#10-32 x 1/2") | 25 | 1 |
| 2 | | 7930360-NLA | NLA - Package, Screw, Phillips Pan Head (#10-32 x 11/16") | 25 | 1 |
| 3 | | 47565X057 | Bushing (7/32 x 3/8 x 11/32") | 1 | 1 |
| 4 | | 1107321 | Nut, Low Cap (5/16"-24) | 1 | 1 |
| 5 | | 1027095 | Plug Button, Black (7/8") | 1 | 2 |
| 6 | | 11232X009 | Bolt, Lug (5/16-24 x 1-3/8") | 1 | 1 |
| 7 | | 1008935 | Spring, Release - Right | 1 | 1 |
| 7 | | 1008936 | Spring, Release - Left | 1 | 1 |
| 8 | | 1022874 | Bumper | 1 | 1 |
| 9 | | 1030979 | Screw, Phillips Pan Head Tap (#10-32 x 3/4") | 1 | 1 |
| 10 | | 67005X000 | Rivnut (#10-32) | 1 | 1 |
| 11 | | 7930365 | Locknut (#10-32) | 25 | 1 |
| 12 | | 1035539 | Handle, Release, Black - Right | 1 | 1 |
| 12 | | 1035540 | Handle, Release, Black - Left | 1 | 1 |
| 13 | | 1006490 | Tip, Plastic, Black | 1 | 1 |
| | A,B | 8881037836-NL A | NLA - Footrest Support Assembly, Adult, Color - Right | 1 | 1 |
| | A,B | 8881037837-NL A | NLA - Footrest Support Assembly, Adult, Color - Left | 1 | 1 |
| NOTE: A - Not Shown. B - Specify frame color when ordering. See page titled, "Frame Finishes, Touch-Up Paint and Upholstery Options." | | | | | |

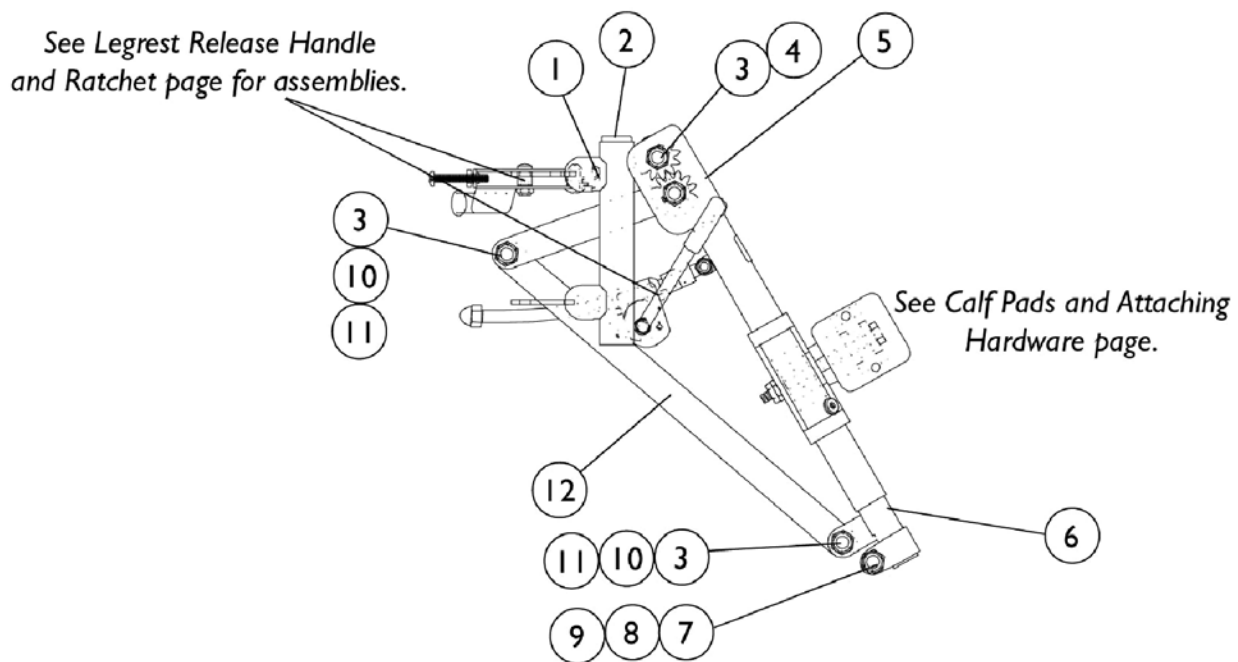
P904A Legrest Supports



P904A Legrest Supports

| Item Number | Note | Part Number | Description | Quantity Per | |
|------------------------------------------------------------------------------------------------------------------------------------------|------|---------------|---------------------------------------------------|--------------|----------|
| | | | | Package | Assembly |
| 1 | | 1027095 | Plug Button, Black (7/8") | 1 | 1 |
| 2 | | 11919X000-NLA | NLA - Screw, Slotted Truss Head (3/8-16 x 1-1/2") | 1 | 1 |
| 3 | | 1058636 | Washer, Nylon (25/64 x 7/8 x 1/32") | 1 | 2 |
| 4 | | 40363X000 | Hex Nut (3/8"-16) | 1 | 1 |
| 5 | | 7930330 | Locknut (5/16-24) | 25 | 1 |
| 6 | | 1026030 | Bolt, Lug (5/16-24 x 1-3/8") | 1 | 1 |
| 7 | A | 8881048851 | Tube, Elevating Adjustable Support, Color - Right | 1 | 1 |
| 7 | A | 8881048852 | Tube, Elevating Adjustable Support, Color - Left | 1 | 1 |
| 8 | | 1027097 | Plug Button, Black (3/4") | 1 | 1 |
| 9 | A | 8881058664 | Tube, Legrest Support, Color - Right | 1 | 1 |
| 9 | A | 8881058665 | Tube, Legrest Support, Color - Left | 1 | 1 |
| 10 | | 1022874 | Bumper | 1 | 1 |
| 11 | | 1030979 | Screw, Phillips Pan Head Tap (#10-32 x 3/4") | 1 | 1 |
| | A,B | 8881058646 | Legrest Support Assembly, Adult, Color - Right | 1 | 1 |
| | A,B | 8881058647 | Legrest Support Assembly, Adult, Color - Left | 1 | 1 |
| NOTE: A - Specify frame color when ordering. See page titled, "Frame Finishes, Touch-Up Paint and Upholstery Options." B - Not Shown. | | | | | |

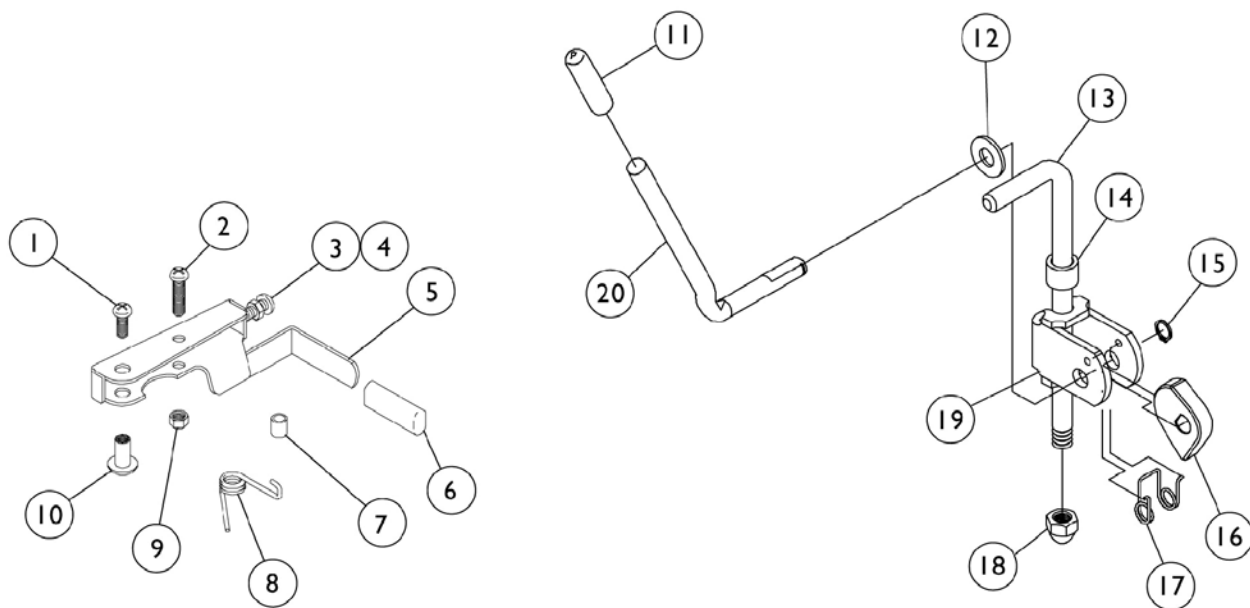
PAS4A/PAL4A Articulating Legrest Supports



PAS4A/PAL4A Articulating Legrest Supports

| Item Number | Note | Part Number | Description | Quantity Per | |
|----------------------|------|-------------|---------------------------------------------------------------|--------------|----------|
| | | | | Package | Assembly |
| 1 | | 1058478-NLA | NLA - Tube, Legrest Support - Right | 1 | 1 |
| 1 | | 1058479-NLA | NLA - Tube, Legrest Support - Left | 1 | 1 |
| 2 | | 1027097 | Plug Button, Black (3/4") | 1 | 1 |
| 3 | | 40363X000 | Hex Nut (3/8"-16) | 1 | 3 |
| 4 | | 1022854-NLA | NLA - Screw, Shoulder Slotted Head (1/2 x 1-1/8", 3/8-16) | 1 | 1 |
| 5 | | 1022877-NLA | NLA - Tube, Support and Drive Link, Chrome - Right | 1 | 1 |
| 5 | | 1022878-NLA | NLA - Tube, Support and Drive Link, Chrome - Left | 1 | 1 |
| 6 | | 1022848 | Tube, Slide, Articulating, Chrome - Right | 1 | 1 |
| 6 | | 1022849 | Tube, Slide, Articulating, Chrome - Left | 1 | 1 |
| 7 | | 1027377 | Washer (#20) | 1 | 1 |
| 8 | | 7930363-NLA | NLA - Package, Locknut (5/16"-24) | 25 | 1 |
| 9 | | 11232X009 | Bolt, Lug (5/16-24 x 1-3/8") | 1 | 1 |
| 10 | | 1022866-NLA | NLA - Screw, Socket Button Head (3/8-16 x 3/4") | 1 | 2 |
| 11 | | 1049527 | Washer, Nylon (3/8 x 3/4 x 1/16") | 1 | 2 |
| 12 | | 1022846-NLA | NLA - Bar, Link, Black | 1 | 1 |
| | A | 1058482 | Legrest Support Assembly, Articulating, Adult, Chrome - Right | 1 | 1 |
| | A | 1058483 | Legrest Support Assembly, Articulating, Adult, Chrome - Left | 1 | 1 |
| NOTE: A - Not Shown. | | | | | |

Legrest Release Handle & Ratchet

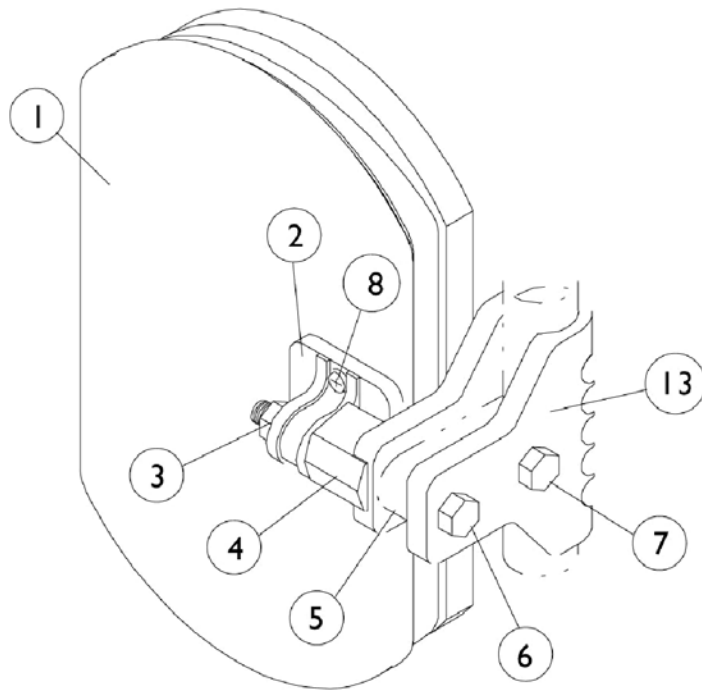


Legrest Release Handle & Ratchet

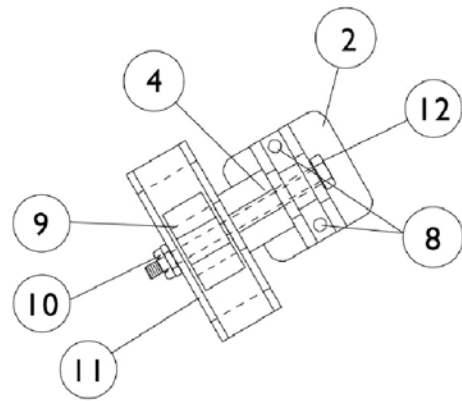
| Item Number | Note | Part Number | Description | Quantity Per | |
|----------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----------------------------------------------------------|--------------|----------|
| | | | | Package | Assembly |
| 1 | | 7930328-NLA | NLA - Package, Screw, Phillips Pan Head (#10-32 x 11/16") | 25 | 1 |
| 2 | | 7930335 | Package, Screw, Phillips Pan Head (#10-32 x 1/2") | 25 | 1 |
| 3 | A | 1026107 | Screw, Phillips Pan Head (#10-32 x 1-3/8") | 1 | 1 |
| 4 | A | 1028485-NLA | NLA - Nut, Hex (#10-32) | 1 | 1 |
| 5 | | 1035539 | Handle, Release, Black - Right | 1 | 1 |
| 5 | | 1035540 | Handle, Release, Black - Left | 1 | 1 |
| 6 | A | 1006490 | Tip, Plastic, Black | 1 | 1 |
| 7 | | 47565X057 | Bushing (7/32 x 3/8 x 11/32") | 1 | 1 |
| 8 | | 1028707 | Spring, Release - Right | 1 | 1 |
| 8 | | 1028708 | Spring, Release - Left | 1 | 1 |
| 9 | | 7930332-NLA | NLA - Locknut, High Profile (#10-32) | 25 | 1 |
| 10 | | 1028846-NLA | NLA - Rivnut (#10-32) | 1 | 1 |
| 11 | | 1040060 | Tip, Plastic, Black | 1 | 1 |
| 12 | | 7930310 | Washer, Nylon (5/16 x 11/16 x 1/16") | 25 | 1 |
| 13 | B | 42326X004 | Bar, Ratchet - Right/Left | 1 | 1 |
| 13 | C | 1023811-NLA | NLA - Bar, Ratchet - Right | 1 | 1 |
| 13 | C | 1023812-NLA | NLA - Bar, Ratchet - Left | 1 | 1 |
| 14 | | 47330X003 | Spacer (5/16 x 1/2 x 3/8") | 2 | 2 |
| 15 | | 1040831 | Ring, Snap | 1 | 1 |
| 16 | | 1037125 | Cam, Legrest | 1 | 1 |
| 17 | | 1037485 | Spring, Release | 1 | 1 |
| 18 | | 7930336 | Nut, Acorn (5/16-24) | 25 | 1 |
| 19 | | 04528X002 | Bracket, Release, Black | 1 | 1 |
| 20 | | 1037126 | Handle, Release | 1 | 1 |
| NOTE: A - These items are only required on Release Handles for chairs built before 10/1/00. B - 904 Legrest. C - Articulating Legrest. | | | | | |

Calf Pads & Attaching Hardware

Due to a change to the Legrest Calf Pad size made on 4/23/12, you must also order the hardware kit (1066591) when ordering replacement Calf Pads.



904 Legrest



**PAL4A/PAS4A
Articulating Legrest**

Calf Pads & Attaching Hardware

Due to a change to the Legrest Calf Pad size made on 4/23/12, you must also order the hardware kit (1066591) when ordering replacement Calf Pads.

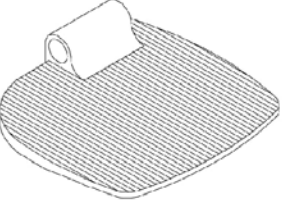
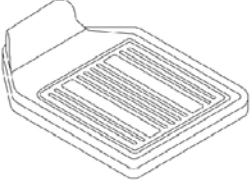
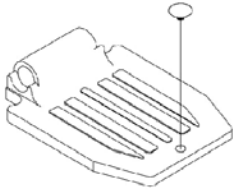
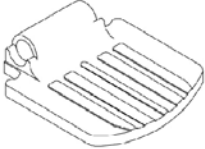
| Item Number | Note | Part Number | Description | Quantity Per | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------------|-----------------------------------------------|--------------|----------|
| | | | | Package | Assembly |
| 1 | A,B,G | 88804529X003 | Pad, Legrest, Vinyl - Right | 1 | 1 |
| 1 | A,B,G | 88804529X004 | Pad, Legrest, Vinyl - Left | 1 | 1 |
| 1 | A,C,D | 8881091759 | Pad w/ Cover and Screws, Legrest Vinyl (Pair) | 2 | 1 |
| 1 | A,C,E, G | 8881091764 | Pad, Legrest, Vinyl - Right/Left | 1 | 1 |
| 1 | | 01415X000-NLA | NLA - Cover, Legrest Pad | 1 | 1 |
| 2 | | 04526X019 | Plate, Legrest Pad | 1 | 1 |
| 3 | | 7930330 | Locknut (5/16-24) | 25 | 1 |
| 4 | | 1025133 | Spacer, Legrest Pad, Black | 1 | 1 |
| 5 | | 1032267 | Spacer, Legrest Pad Mounting, Black | 1 | 1 |
| 6 | | 1037110 | Screw, Hex Head (5/16-24 x 3-1/2") | 1 | 1 |
| 7 | | 1028514 | Screw, Hex Head (5/16-24 x 1-1/2") | 1 | 1 |
| 8 | F | 1066591 | Hardware, Legrest Pad | 1 | 1 |
| | | | Screw, Phillips Pan Head (#10-32 x 11/16") | 1 | 2 |
| | | | Screw, Phillips Pan Head (#10-32 x 1") | 1 | 2 |
| | | | Instruction Sheet, Legrest Pad Mtg. | 1 | 1 |
| 9 | | 48823X008 | Spring, Leaf | 1 | 1 |
| 10 | | 7930363-NLA | NLA - Package, Locknut (5/16"-24) | 25 | 1 |
| 11 | | 1025104 | Bracket, Legrest, Chrome | 1 | 1 |
| 12 | | 1014807 | Screw, Hex Head (5/16-24 x 3-1/4") | 1 | 1 |
| 13 | | 1032266 | Bracket, Legrest Pad Mounting, Black | 1 | 1 |
| NOTE: A - Specify upholstery color when ordering. See page titled, "Frame Finishes, Touch-Up Paint and Upholstery Options." B - 14" Wide - R2 jr. C - 16-20" Wide. D - Before 9/5/00. E - After 9/4/00. F - Includes Screws and Instruction Sheet. G - Due to a change to the Legrest Calf Pad size made on 4/23/12, you must also order the hardware kit (1066591) when ordering replacement Calf Pads. | | | | | |

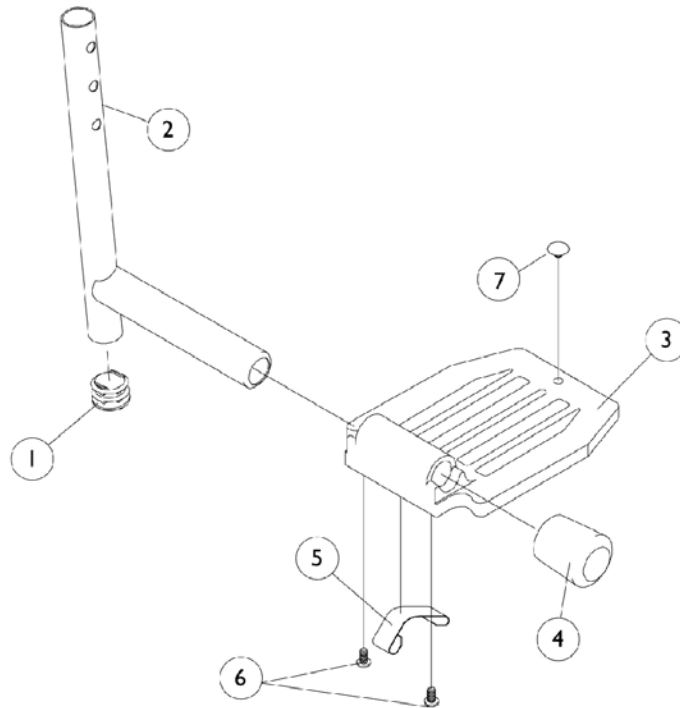
Pivot/ Slide Tube w/ Footplate

PW93, PW93E

NOTE: Heel loops are not included. See page titled "Footrest and Legrest Accessories".

NOTE: For complete pivot/slide tube and footplate assemblies, see page titled "Front Riggings Reference Chart".

| | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |  |
| I350 Extra large | I450 Deluxe | 16" to 20" Wide Standard Alum. | 14" Wide Standard Alum. |



Pivot/ Slide Tube w/ Footplate

PW93, PW93E

NOTE: Heel loops are not included. See page titled "Footrest and Legrest Accessories".

NOTE: For complete pivot/slide tube and footplate assemblies, see page titled "Front Riggings Reference Chart".

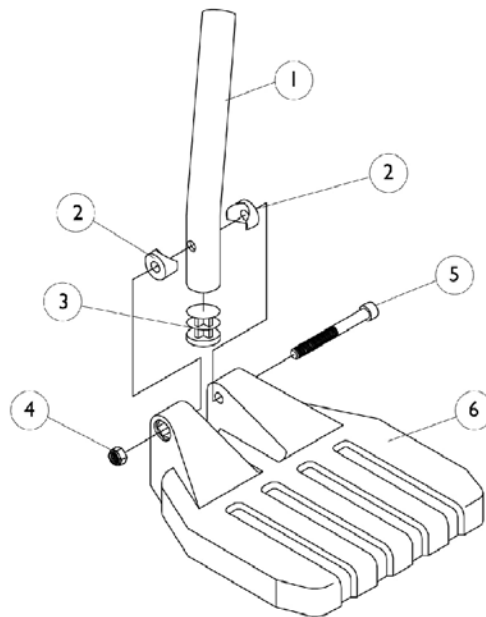
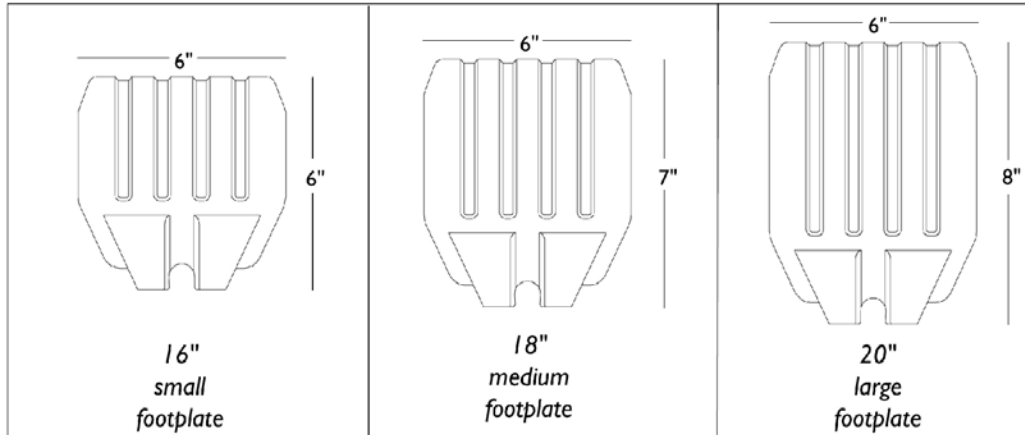
| Item Number | Note | Part Number | Description | Quantity Per | |
|-------------|------|-------------|-------------------------------------------------------------------|--------------|----------|
| | | | | Package | Assembly |
| 1 | | 1027097 | Plug Button, Black (3/4") | 1 | 1 |
| 2 | B,A | 1048834 | Pivot/Slide Tube w/ Plug Button, Black | 1 | 1 |
| 2 | C | 1070762 | Tube, Pivot/Slide w/ Plug Button, Deluxe Aluminum, Black | 1 | 1 |
| 2 | B,C | 1098906 | Pivot/Slide Tube w/ Plug Button, Black (2" Longer) | 1 | 1 |
| 2 | B,C | 1086482 | Pivot/Slide Tube w/ Plug Button, Black (4" Longer) | 1 | 1 |
| 3 | D | 44200X059 | Footplate, Aluminum, Small, Black (6-3/4" W x 6" L) | 1 | 1 |
| 3 | | 44200X027 | Footplate, Aluminum, Medium, Black (7-3/4" W x 6" L) | 1 | 1 |
| 3 | | 1043659 | Footplate, Aluminum, Deluxe, Black - Right (8" W x 5-3/4" L) | 1 | 1 |
| 3 | | 1043660 | Footplate, Aluminum, Deluxe, Black - Left (8" W x 5-3/4" L) | 1 | 1 |
| 3 | D | 1002343 | Footplate, Aluminum, Extra Large, Black - Right (7" W x 8-1/2" L) | 1 | 1 |
| 3 | D | 1002344 | Footplate, Aluminum, Extra Large, Black - Left (7" W x 8-1/2" L) | 1 | 1 |
| 3 | | 44200X025 | Footplate, Aluminum, Extra Large, Black - Right (8" W x 8-1/2" L) | 1 | 1 |
| 3 | | 44200X026 | Footplate, Aluminum, Extra Large, Black - Left (8" W x 8-1/2" L) | 1 | 1 |
| 4 | B | 1016346 | Cap, End, Tube, Black (7/8") | 1 | 1 |
| 4 | A | 1027095 | Plug Button, Black (7/8") | 1 | 1 |
| 5 | B | 1006981 | Spring, Tension | 1 | 1 |
| 5 | C | 1036120 | Spring | 1 | 2 |
| 5 | E,A | 1036123 | Spring, Leaf | 1 | 1 |
| 6 | | 40120X001 | Screw, Phillips Pan Head (#8-32 x 3/8") | 1 | 1 |
| 7 | | 1070168 | Plug, Push, Footplate | 1 | 1 |

NOTE: A - Use with Extra Large Aluminium Footplate.
 B - Use with Standard Aluminium Footplate.
 C - Use with Deluxe Aluminium Footplate.
 D - 14" Wide (R2jr.)
 E - Use one or more leaf springs per assembly as required such that footplate may be moved by hand to the up-right position and remain in place.

Pivot/ Slide Tube w/ Footplate PW93ST

NOTE: Heel loops are not included. See page titled "Footrest and Legrest Accessories".

NOTE: For complete pivot/slide tube and footplate assemblies, see page titled "Front Riggings Reference Chart".



Pivot/ Slide Tube w/ Footplate PW93ST

NOTE: Heel loops are not included. See page titled "Footrest and Legrest Accessories".

NOTE: For complete pivot/slide tube and footplate assemblies, see page titled "Front Riggings Reference Chart".

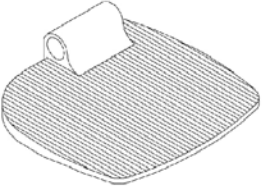
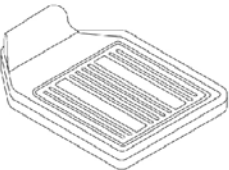
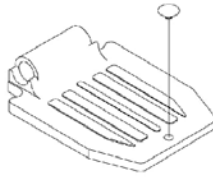
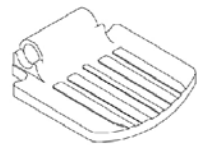
| Item Number | Note | Part Number | Description | Quantity Per | |
|----------------------------------------------------------------------------------------------------------------|------|-------------|------------------------------------------------------|--------------|----------|
| | | | | Package | Assembly |
| 1 | D | 1120382 | Tube, Pivot/Slide, Curved End, Black - Long (9-7/8") | 1 | 1 |
| 1 | E | 1057852 | Tube, Pivot/Slide, Curved End, Steel, Black (9-7/8") | 1 | 1 |
| 2 | | 1025457 | Spacer, Coved (1/4 x 3/4 x 11/32") | 1 | 2 |
| 3 | | 1027097 | Plug Button, Black (3/4") | 1 | 1 |
| 4 | | 1025195 | Locknut (1/4-20) | 1 | 1 |
| 5 | | 60285X006 | Screw, Socket Head (1/4-20 x 2-1/4") | 1 | 1 |
| 6 | A | 1026879 | Footplate, Composite, Small, Black (6" W x 6" L) | 1 | 1 |
| 6 | B | 1026880 | Footplate, Composite, Medium, Black (7" W x 6" L) | 1 | 1 |
| 6 | C | 1026881 | Footplate, Composite, Large, Black (8" W x 6" L) | 1 | 1 |
| NOTE: A - For chairs 16" wide B - For chairs 18" wide C - For chairs 20" wide D - P93ST E - PW93ST | | | | | |

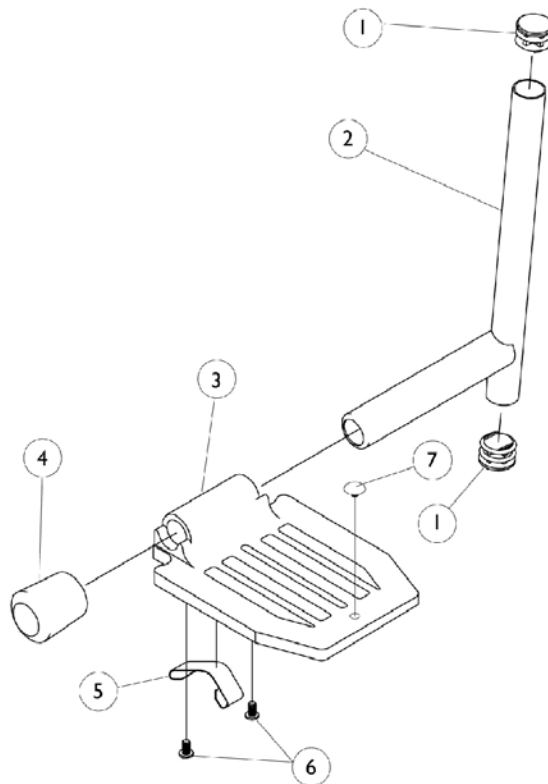
Pivot/ Slide Tube w/ Footplate

P93M

NOTE: Heel loops are not included. See page titled "Footrest and Legrest Accessories".

NOTE: For complete pivot/slide tube and footplate assemblies, see page titled "Front Riggings Reference Chart".

| | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |  |
| 1350 Extra large | 1450 Deluxe | 16" to 20" Wide | 14" Wide |



Pivot/ Slide Tube w/ Footplate P93M

NOTE: Heel loops are not included. See page titled "Footrest and Legrest Accessories".

NOTE: For complete pivot/slide tube and footplate assemblies, see page titled "Front Riggings Reference Chart".

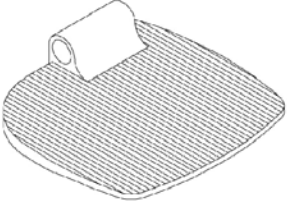
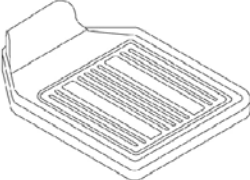
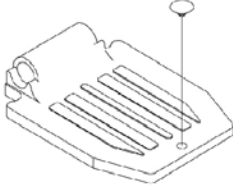
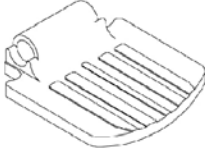
| Item Number | Note | Part Number | Description | Quantity Per | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------|-------------------------------------------------------------------|--------------|----------|
| | | | | Package | Assembly |
| 1 | | 1027097 | Plug Button, Black (3/4") | 1 | 1 |
| 2 | C,D,A | 1041527 | Pivot/Slide Tube w/ Plug Button, Black | 1 | 1 |
| 2 | D | 1086479-NLA | NLA - Pivot/Slide Tube w/ Plug Button, Black (2" Longer) | 1 | 1 |
| 2 | D | 1086480-NLA | NLA - Pivot/Slide Tube w/ Plug Button, Black (4" Longer) | 1 | 1 |
| 2 | | 1041525-NLA | NLA - Pivot/Slide Tube w/ Plug Button, Deluxe Aluminum, Black | 1 | 1 |
| 3 | B | 44200X059 | Footplate, Aluminum, Small, Black (6-3/4" W x 6" L) | 1 | 1 |
| 3 | | 44200X027 | Footplate, Aluminum, Medium, Black (7-3/4" W x 6" L) | 1 | 1 |
| 3 | | 1043659 | Footplate, Aluminum, Deluxe, Black - Right (8" W x 5-3/4" L) | 1 | 1 |
| 3 | | 1043660 | Footplate, Aluminum, Deluxe, Black - Left (8" W x 5-3/4" L) | 1 | 1 |
| 3 | B | 1002343 | Footplate, Aluminum, Extra Large, Black - Right (7" W x 8-1/2" L) | 1 | 1 |
| 3 | B | 1002344 | Footplate, Aluminum, Extra Large, Black - Left (7" W x 8-1/2" L) | 1 | 1 |
| 3 | | 44200X025 | Footplate, Aluminum, Extra Large, Black - Right (8" W x 8-1/2" L) | 1 | 1 |
| 3 | | 44200X026 | Footplate, Aluminum, Extra Large, Black - Left (8" W x 8-1/2" L) | 1 | 1 |
| 4 | C | 1016346 | Cap, End, Tube, Black (7/8") | 1 | 1 |
| 4 | D | 1027095 | Plug Button, Black (7/8") | 1 | 1 |
| 5 | C | 1006981 | Spring, Tension | 1 | 1 |
| 5 | A | 1036120 | Spring | 1 | 2 |
| 5 | D,E | 1036123 | Spring, Leaf | 1 | 1 |
| 6 | | 40120X001 | Screw, Phillips Pan Head (#8-32 x 3/8") | 1 | 2 |
| 7 | | 1070168 | Plug, Push, Footplate | 1 | 1 |
| NOTE: A - Use with Deluxe Aluminium Footplate. B - 14" Wide (R2jr.) C - Use with Standard Aluminium Footplate. D - Use with Extra Large Aluminium Footplate. E - Use one or more leaf springs per assembly as required such that footplate may be moved by hand to the up-right position and remain in place. | | | | | |

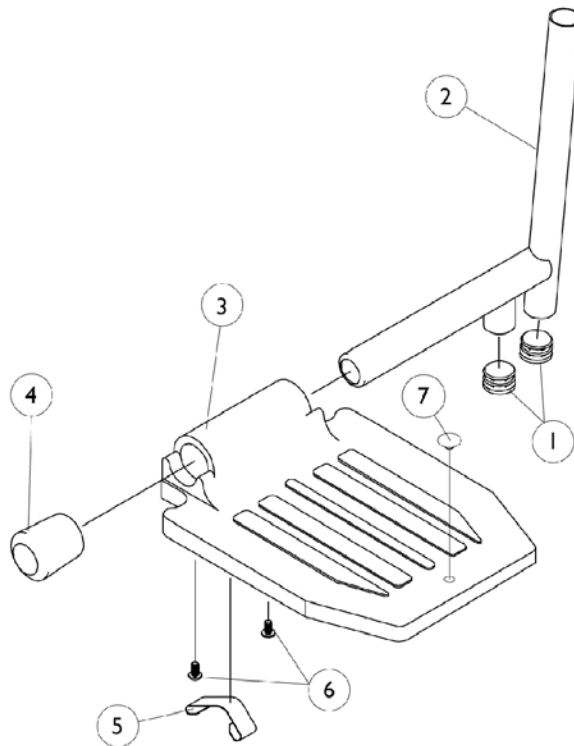
Pivot/ Slide Tube w/ Footplate

P904, PAL4A, PAS4A

NOTE: Heel loops are not included. See page titled "Footrest and Legrest Accessories".

NOTE: For complete pivot/slide tube and footplate assemblies, see page titled "Front Riggings Reference Chart".

| | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |  |
| 1350 Extra large | 1450 Deluxe | 16" to 20" Wide | 14" Wide |



Pivot/ Slide Tube w/ Footplate

P904, PAL4A, PAS4A

NOTE: Heel loops are not included. See page titled "Footrest and Legrest Accessories".

NOTE: For complete pivot/slide tube and footplate assemblies, see page titled "Front Riggings Reference Chart".

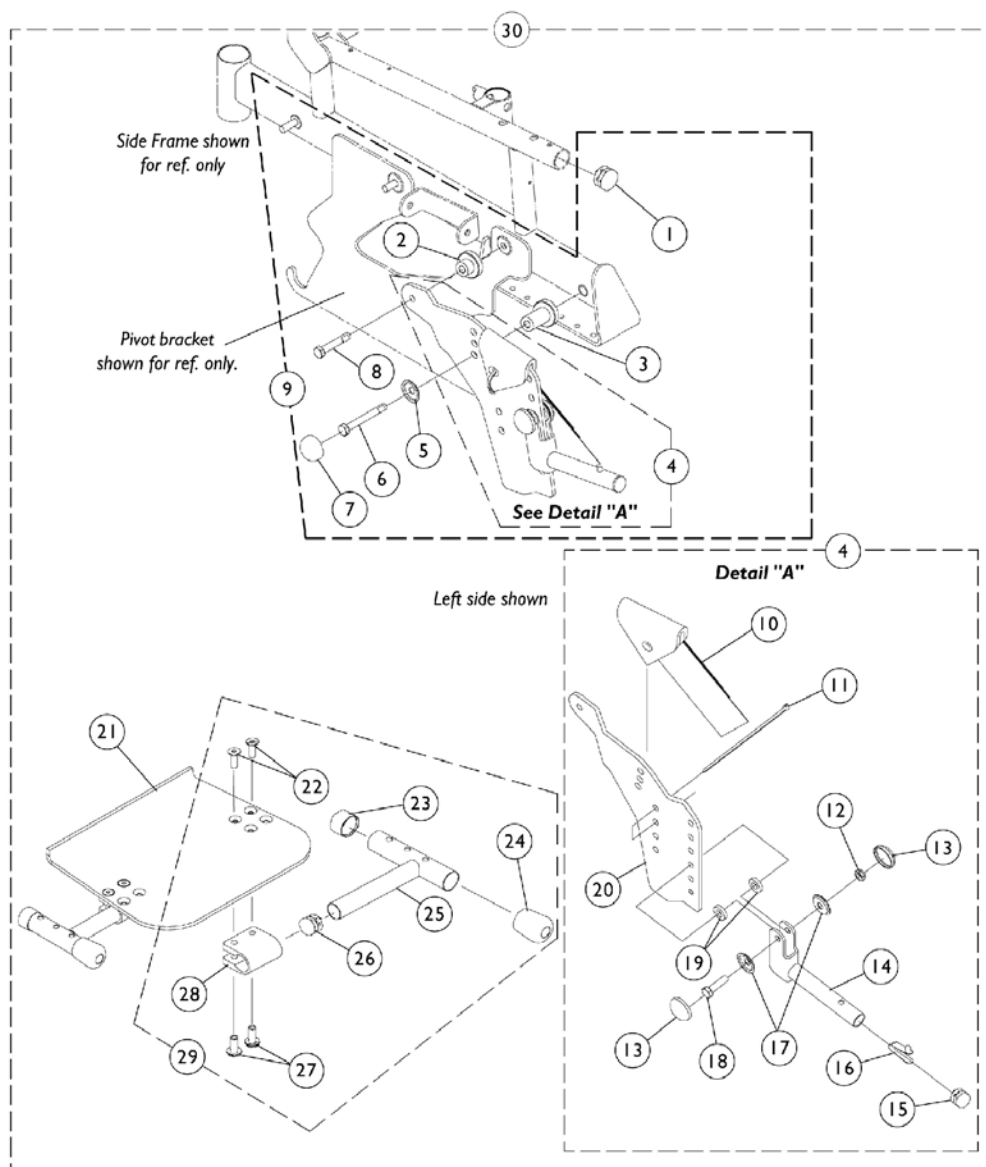
| Item Number | Note | Part Number | Description | Quantity Per | |
|-------------|-------|-------------|-------------------------------------------------------------------------------|--------------|----------|
| | | | | Package | Assembly |
| 1 | | 1027097 | Plug Button, Black (3/4") | 1 | 1 |
| 2 | D,E,B | 1100568 | Pivot/Slide Tube w/ Plug Button, Black | 1 | 1 |
| 2 | B | 1100569 | Pivot/Slide Tube Assembly, Extra Large, Standard Aluminium - 2" Longer, Black | 1 | 1 |
| 2 | D,E,B | 1100570 | Pivot/Slide Tube w/ Plug Button, Black (4" Longer) | 1 | 1 |
| 2 | D,E,A | 1041526 | Pivot/Slide Tube w/ Plug Button Assembly, Chrome | 1 | 1 |
| 2 | F,B | 1100571 | Pivot/Slide Tube w/ Plug Button, Deluxe, Black | 1 | 1 |
| 3 | C | 44200X059 | Footplate, Aluminum, Small, Black (6-3/4" W x 6" L) | 1 | 1 |
| 3 | | 44200X027 | Footplate, Aluminum, Medium, Black (7-3/4" W x 6" L) | 1 | 1 |
| 3 | | 1043659 | Footplate, Aluminum, Deluxe, Black - Right (8" W x 5-3/4" L) | 1 | 1 |
| 3 | | 1043660 | Footplate, Aluminum, Deluxe, Black - Left (8" W x 5-3/4" L) | 1 | 1 |
| 3 | C | 1002343 | Footplate, Aluminum, Extra Large, Black - Right (7" W x 8-1/2" L) | 1 | 1 |
| 3 | C | 1002344 | Footplate, Aluminum, Extra Large, Black - Left (7" W x 8-1/2" L) | 1 | 1 |
| 3 | | 44200X025 | Footplate, Aluminum, Extra Large, Black - Right (8" W x 8-1/2" L) | 1 | 1 |
| 3 | | 44200X026 | Footplate, Aluminum, Extra Large, Black - Left (8" W x 8-1/2" L) | 1 | 1 |
| 4 | D | 1016346 | Cap, End, Tube, Black (7/8") | 1 | 1 |
| 4 | E | 1027095 | Plug Button, Black (7/8") | 1 | 1 |
| 5 | D | 1006981 | Spring, Tension | 1 | 2 |
| 5 | F | 1036120 | Spring | 1 | 2 |
| 5 | E,G | 1036123 | Spring, Leaf | 1 | 1 |
| 6 | | 40120X001 | Screw, Phillips Pan Head (#8-32 x 3/8") | 1 | 1 |
| 7 | | 1070168 | Plug, Push, Footplate | 1 | 1 |

NOTE: A - Use with PAL4/PAS4A.
 B - Use with P904.
 C - Use with 14" Wide (R2jr.)
 D - Use with Standard Aluminium Footplate.
 E - Use with Extra Large Aluminium Footplate.
 F - Use with Deluxe Aluminium Footplate.
 G - Use one or more leaf springs per assembly as required such that footplate may be moved by hand to the up-right position and remain in place.

Adjustable Flip-Up Removable Footboard

90FB2 (Sling Seat) and 90FB (Captain Seat)

Before 3/1/00



Adjustable Flip-Up Removable Footboard

90FB2 (Sling Seat) and 90FB (Captain Seat)

Before 3/1/00

| Item Number | Note | Part Number | Description | Quantity Per | |
|-------------|------|-------------|---------------------------------------------------|--------------|----------|
| | | | | Package | Assembly |
| 1 | | 1029501 | Plug Button, Black (1") | 1 | 2 |
| 2 | | 1098936-NLA | NLA - Bushing, Black (21/64 x 1-1/4 x 23/32") | 1 | 2 |
| 3 | | 1098937-NLA | NLA - Bushing, Black (21/64 x 1-1/4 x 1-19/32") | 1 | 2 |
| 4 | A | 1080730-NLA | NLA - Footboard Pivot Assembly - Right | 1 | 1 |
| 4 | A | 1080731-NLA | NLA - Footboard Pivot Assembly - Left | 1 | 1 |
| 5 | | 1028491 | Washer, Caplugs (11/32" I.D. x 1" O.D.) | 1 | 2 |
| 6 | | 1043628 | Screw, Hex Head w/ Patch (5/16-18 x 2-1/2") | 1 | 2 |
| 7 | | 1016291 | Cap, Hub, Black | 1 | 2 |
| 8 | | 1043627-NLA | NLA - Screw, Hex Head w/ Patch (5/16-18 x 1-3/4") | 1 | 2 |
| 9 | B | 1086111-NLA | NLA - Footboard Mounting Hardware (Pair) | 2 | 1 |
| 10 | | 1081224-NLA | NLA - Guard, Footboard Pivot Bracket | 1 | 1 |
| 11 | | 98007X005 | Tie Wrap (11-1/2" L) | 1 | 2 |
| 12 | | 1025730 | Locknut (5/16-24) | 1 | 1 |
| 13 | | 1016291 | Cap, Hub, Black | 1 | 2 |
| 14 | | 1074130-NLA | NLA - Tube, Pivot | 1 | 1 |
| 15 | | 1027097 | Plug Button, Black (3/4") | 1 | 1 |
| 16 | | 40188X009 | Button, Single Snap | 1 | 1 |
| 17 | | 1028491 | Washer, Caplugs (11/32" I.D. x 1" O.D.) | 1 | 2 |
| 18 | | 1070552-NLA | NLA - Screw, Hex Head (5/16-24 x 1-1/8) | 1 | 1 |
| 19 | | 1074210-NLA | NLA - Washer, Nylon (23/64 x 3/4 x 5/32") | 1 | 2 |
| 20 | | 1081217-NLA | NLA - Bracket, Footrest Mounting, Black - Right | 1 | 1 |
| 20 | | 1081218-NLA | NLA - Bracket, Footrest Mounting, Black - Left | 1 | 1 |
| 21 | F | 1074129-NLA | NLA - Footboard | 1 | 1 |
| 22 | D | 1029545 | Screw, Socket Flat Head (1/4-20 x 3/4") | 1 | 4 |
| 23 | | 15680X012 | Collar, Anti-Rattle (7/8") | 1 | 2 |
| 24 | | 1016346 | Cap, End, Tube, Black (7/8") | 1 | 2 |
| 25 | | 1074137-NLA | NLA - Tube, Footplate Support, Black | 1 | 2 |
| 26 | | 1027097 | Plug Button, Black (3/4") | 1 | 2 |
| 27 | D | 1082686 | Nut, Barrel, Hex Head (1/4-20 x 11/16") | 1 | 4 |
| 28 | D | 1058517 | Clamp, Footplate | 1 | 2 |
| 29 | E | 1080740-NLA | NLA - Footboard Assembly Hardware (Pair) | 2 | 1 |
| 30 | C,J | 1086110-NLA | NLA - Footboard Assembly w/ Instructions | 1 | 1 |
| | I | 1078193-NLA | NLA - Instruction Sheet, Footboard Assembly | 1 | 1 |
| | I | 1095105-NLA | NLA - Kit, Footboard Conversion (16" W) | 1 | 1 |
| | H,I | 1095106-NLA | NLA - Kit, Footboard Conversion (18" W) | 1 | 1 |
| | I | 1095107-NLA | NLA - Kit, Footboard Conversion (20" W) | 1 | 1 |

Adjustable Flip-Up Removable Footboard

90FB2 (Sling Seat) and 90FB (Captain Seat)

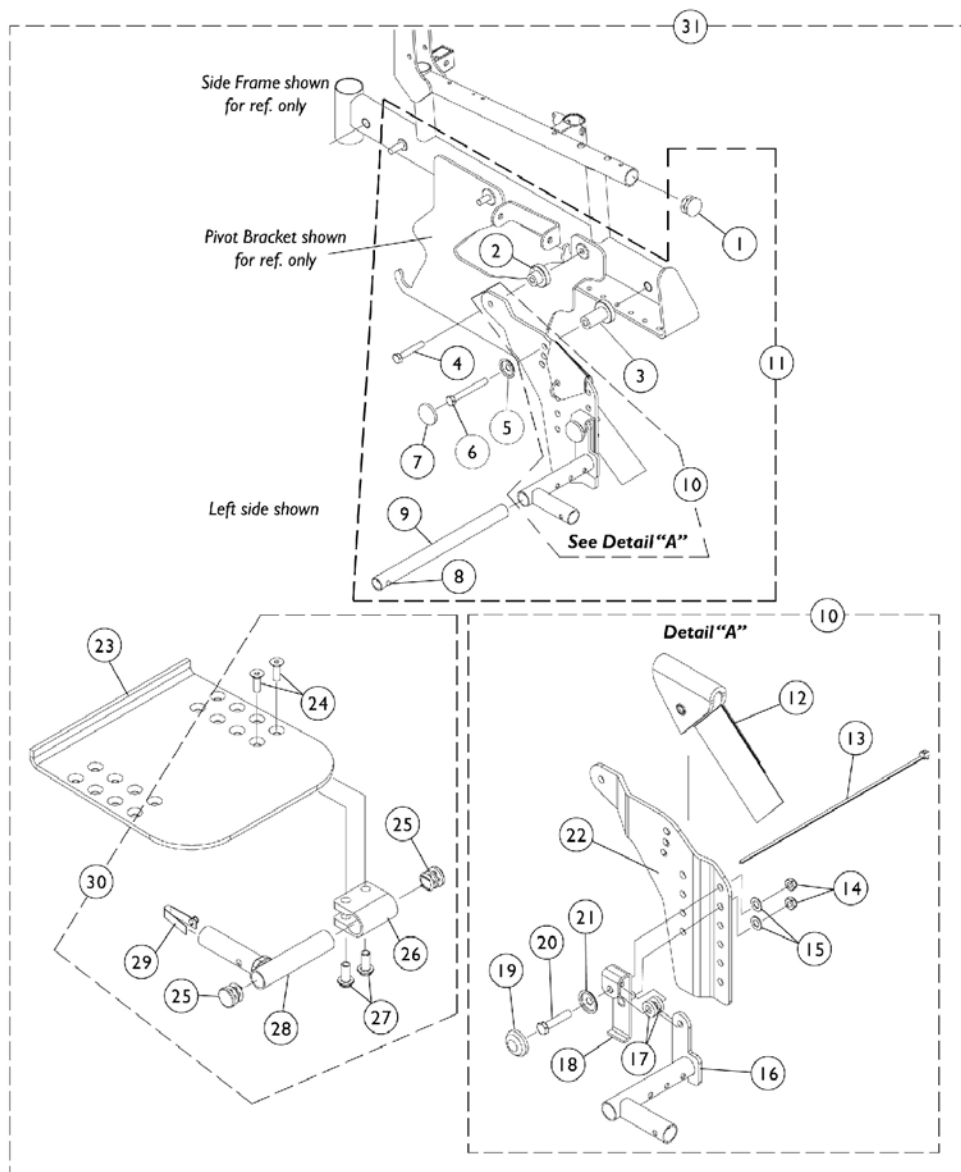
Before 3/1/00

NOTE: A - Includes Items 10-20.
B - Includes Items 1-8.
C - Footboard Assembly Kit before 3/1/00 is NLA. Refer to the Footboard Assembly Conversion Kits provided that will convert to a Footboard Assembly made after 2/29/00. Order according to the chair width. Captain Seats will use the 18" wide conversion kit
D - Items 22, 27, and 28 must be ordered together for chairs manufactured before 8/10/99 due to a hardware change.
E - Includes Items 22-28.
F - Footboard before 3/1/200 is NLA. See page titled "Front Rigging - Adjustable Flip-Up Removable Footboard (After 2/29/00)" and select a footboard according to the chair width
H - Captain Seats will use the 18" wide conversion kit
I - Not Shown. For individual components for the conversion kits, See page titled "Front Rigging - Adjustable Flip-Up Removable Footboard (After 2/29/00)"
J - Includes Items 9, 21, and 29.

Adjustable Flip-Up Removable Footboard

90FB2 (Sling Seat) and 90FB (Captain Seat)

After 2/29/00



Adjustable Flip-Up Removable Footboard

90FB2 (Sling Seat) and 90FB (Captain Seat)

After 2/29/00

| Item Number | Note | Part Number | Description | Quantity Per | |
|-------------|------|-------------|---------------------------------------------------|--------------|----------|
| | | | | Package | Assembly |
| 1 | | 1029501 | Plug Button, Black (1") | 1 | 2 |
| 2 | | 1098936-NLA | NLA - Bushing, Black (21/64 x 1-1/4 x 23/32") | 1 | 2 |
| 3 | | 1098937-NLA | NLA - Bushing, Black (21/64 x 1-1/4 x 1-19/32") | 1 | 2 |
| 4 | | 1043627-NLA | NLA - Screw, Hex Head w/ Patch (5/16-18 x 1-3/4") | 1 | 2 |
| 5 | | 1028491 | Washer, Caplugs (11/32" I.D. x 1" O.D.) | 1 | 2 |
| 6 | | 1043628 | Screw, Hex Head w/ Patch (5/16-18 x 2-1/2") | 1 | 2 |
| 7 | | 1016291 | Cap, Hub, Black | 1 | 2 |
| 8 | | 40188X007 | Button, Spring Double | 1 | 1 |
| 9 | | 1095124-NLA | NLA - Support Tube w/ Spring Assembly | 1 | 1 |
| 10 | A | 1095101-NLA | NLA - Footboard Pivot Assembly - Right | 1 | 1 |
| 10 | A | 1095102-NLA | NLA - Footboard Pivot Assembly - Left | 1 | 1 |
| 11 | B | 1095104-NLA | NLA - Footboard Mounting Hardware | 2 | 1 |
| 12 | | 1081224-NLA | NLA - Guard, Footboard Pivot Bracket | 1 | 1 |
| 13 | | 98007X005 | Tie Wrap (11-1/2" L) | 1 | 2 |
| 14 | | 1028769 | Locknut (5/16-18) | 1 | 2 |
| 15 | | 1074210-NLA | NLA - Washer, Nylon (23/64 x 3/4 x 5/32") | 1 | 2 |
| 16 | | 1094614-NLA | NLA - Bracket, Footboard Receiving, Black - Right | 1 | 1 |
| 16 | | 1094615-NLA | NLA - Bracket, Footboard Receiving, Black - Left | 1 | 1 |
| 17 | | 1025704 | Washer, Flat (5/16 x 5/8 x 1/16") | 1 | 2 |
| 18 | | 1094632-NLA | NLA - Bracket, Stop Pivot Support, Black | 1 | 1 |
| 19 | | 1016291 | Cap, Hub, Black | 1 | 1 |
| 20 | | 1070398-NLA | NLA - Screw, Hex Head (5/16-18 x 1-1/2") | 1 | 1 |
| 21 | | 1028491 | Washer, Caplugs (11/32" I.D. x 1" O.D.) | 1 | 1 |
| 22 | | 1081217-NLA | NLA - Bracket, Footrest Mounting, Black - Right | 1 | 1 |
| 22 | | 1081218-NLA | NLA - Bracket, Footrest Mounting, Black - Left | 1 | 1 |
| 23 | | 1094612-NLA | NLA - Footboard, Black (16" W) | 1 | 1 |
| 23 | C | 1094613-NLA | NLA - Footboard, Black (18" W) | 1 | 1 |
| 23 | | 1094634-NLA | NLA - Footboard, Black (20" W) | 1 | 1 |
| 24 | | 1029545 | Screw, Socket Flat Head (1/4-20 x 3/4") | 1 | 4 |
| 25 | | 1027097 | Plug Button, Black (3/4") | 1 | 4 |
| 26 | | 1058517 | Clamp, Footplate | 1 | 2 |
| 27 | | 1082686 | Nut, Barrel, Hex Head (1/4-20 x 11/16") | 1 | 4 |
| 28 | | 1094611 | Support Tube w/ Snap Tube, Black | 1 | 2 |
| 29 | | 40188X009 | Button, Single Snap | 1 | 2 |
| 30 | D | 1095103-NLA | NLA - Footboard Hardware | 1 | 1 |
| 31 | E | 1095105-NLA | NLA - Kit, Footboard Conversion (16" W) | 1 | 1 |
| 31 | C,E | 1095106-NLA | NLA - Kit, Footboard Conversion (18" W) | 1 | 1 |
| 31 | E | 1095107-NLA | NLA - Kit, Footboard Conversion (20" W) | 1 | 1 |
| | F | 1095125-NLA | NLA - Instruction Sheet, Footboard Assembly | 1 | 1 |

Adjustable Flip-Up Removable Footboard

90FB2 (Sling Seat) and 90FB (Captain Seat)

After 2/29/00

NOTE: A - Includes Items 12-22.
B - Includes Items 1-7, 9, and 10.
C - Captain seats will use footboards for 18" wide chairs.
D - Includes Items 24-29.
E - Includes Items 11, 23, and 30.
F - Not Shown.

Footrest & Legrest Accessories

Heel Loops (1346)

| Footplate Type | Heel Loop Single # | Heel Loop Pair # | Heel Loop with Ankle Strap - Right Single # | Heel Loop with Ankle Strap - Left Single # | Heel Loop with Ankle Strap Pair # | Attaching Hardware Pair # |
|-------------------------------------------------|--------------------|------------------|---------------------------------------------|--------------------------------------------|-----------------------------------|---------------------------|
| Composite (1651) 14" W (16" Wide Tapered) | 1028412-NLA | 1035912 | 1035908-NLA | 1035909-NLA | 1035906 | 1035931 |
| Composite (1651) 16" W (18" Wide Tapered) | 1017621 | 1035917 | 1035919 | 1035920 | 1035918 | 1035931 |
| Composite (1651) 18" W (20" Wide Tapered) | 1017621 | 1035917 | 1035932-NLA | 1035933-NLA | 1035930 | 1035931 |
| Standard Aluminum (1650) 14" Wide | 1025234-NLA | 1035905 | 1035908-NLA | 1035909-NLA | 1035906 | 1035907 |
| Standard Aluminum (1650) 16-20" Wide | 1017621 | 1035917 | 1035919 | 1035920 | 1035918 | 1035907 |
| Deluxe Aluminum (1450) 16-20" Wide | 1017621 | 1035917 | 1035919 | 1035920 | 1035918 | 1086112-NLA |
| X-Large Aluminum (1350) 14" Wide | 1025234-NLA | 1035905 | 1035908-NLA | 1035909-NLA | 1035906 | 1055241 |
| X-Large Aluminum (1350) 16-20" Wide | 1017621 | 1035917 | 1035919 | 1035920 | 1035918 | 1055241 |

Footrest & Legrest Accessories

Heel Loop Hardware

| Part Number | Consists of: |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1035931 | (2) Screw, Phillips Pan Head (1/4-20 x 2-1/4") (2) Spacer (1/4 x 11/32 x 1-3/4") (2) Hex Nut w/ Nylon Cap (1/4-20) (2) Flat Washer (1/4 x 5/8 x 1/16") |
| 1055241 | (2) Screw, Phillips Pan Head (1/4-20 x 2-1/4"), (2) Spacer (1/4 x 11/32 x 1-3/4"), and (2) Locknut (1/4-20"). |
| 1035907 | (2) Screw, Phillips Pan Head (1/4-20 x 2-1/2"), (2) Spacer (1/4 x 11/32 x 1-3/4"), and (2) Locknut (1/4-20"). |
| 1086112-NLA | (2) Screw, Phillips Pan Head (1/4-20 x 2-1/2"), (2) Spacer (1/4 x 11/32 x 1-3/4"), and (2) Locknut (1/4-20"). |

Toe Loops (1345)

| Footplate Type | Toe Loop w/o Hardware Single # | Toe Loop w/o Hardware Pair # | Attaching Hardware Part Number | Attaching Hardware Consists of |
|------------------------------------------------|--------------------------------|------------------------------|--------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| 1651, 1650, 1450, 1350, Footplates | 04572X025 | 1037087 | 1037089 | (4) Screw, Phillips Pan Head (#10-32 x 7/8"), (4) Washer (1/4 x 3/4 x 3/32"), and (4) Locknut (#10-32). |

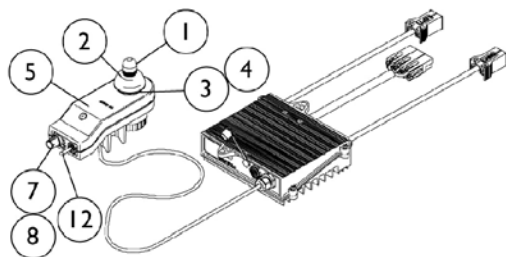
Footrest & Legrest Accessories

Miscellaneous Accessories

| Part Number | Description |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|
| 1026987 | Impact Guard (8") (IMPACTG) |
| See Note(s) D 1143050 | Non-Removable Device (1820) |
| 1032003 | "H" Heel Strap (9342) 14" Wide |
| 1032002 | "H" Heel Strap (9342) 16-20" Wide |
| 1035902 | Calf Strap (1337) |
| 8881006725 | Footrest Support Panel (1348) 14-16" Wide |
| See Note(s) B, A 8881006726 | Footrest Support Panel (1348) 18" Wide |
| See Note(s) B, A 8881006727 | Footrest Support Panel (1348) 20" Wide |
| See Note(s) B, A 8881035816-NLA | Legrest Support Panel (1348) 14-16" Wide |
| See Note(s) C, A 8881035817-NLA | Legrest Support Panel (1348) 18" Wide |
| See Note(s) C, A 8881035818-NLA | Legrest Support Panel (1348) 20" Wide |
| NOTE: A - Specify upholstery color when ordering. See page titled "Frame Finishes, Touch-Up Paints and Upholstery Colors." B - For PW93 footrest C - For P904A, PAS4A and PAL4A Legrest D - For 70 deg. Tapered Footrest. NOTE: These items are not shown | |

MKIV Joysticks

Excel, RII, RX, A, A+, Tchjoy

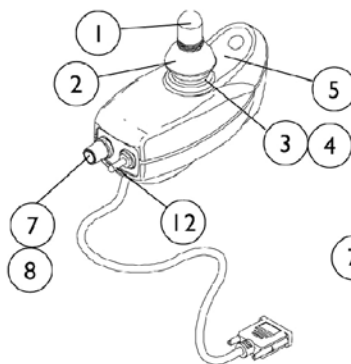


* 1080723NLA RII Joystick/Controller

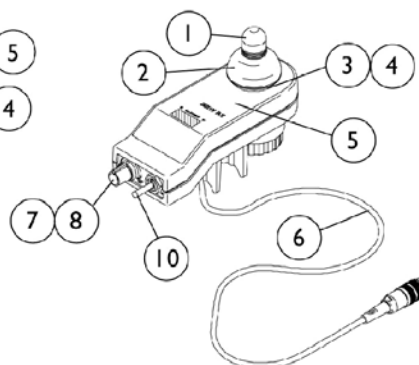
* For chairs made before 5/1/00,
the following must be ordered:
RII Joystick part #1092610
RII Retro Controller part #1095269
Remote Programmer part #1093248

✱ 1080953NLA EXCEL Joystick/L.P. Controller Before 5/1/00

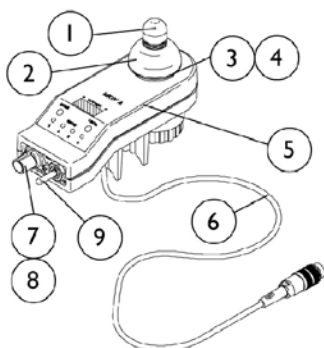
✱ For chairs made before 5/1/00,
the following must be ordered:
RII Joystick part #1092610
RII L.P. Retro Controller part #1095270
Remote Programmer part #1093248



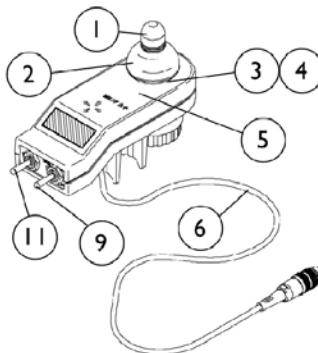
1092610 RII & Excel Joystick After 4/30/00



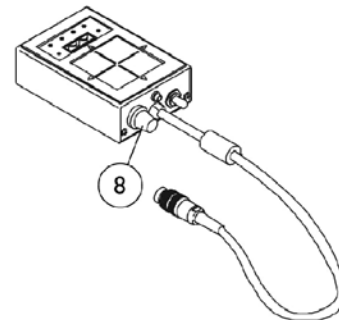
1038603 RX Joystick



1065944 A Joystick



1038608 A+ Joystick



1095289 TCHJOY Touchpad "A" Joystick

MKIV Joysticks

Excel, RII, RX, A, A+, Tchjoy

| Item Number | Note | Part Number | Description | Quantity Per | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----------------------------------------|--------------|----------|
| | | | | Package | Assembly |
| | A,D | 1080723-NLA | NLA - Joystick/Controller, MKIV RII | 1 | 1 |
| | B,D | 1080953-NLA | NLA - Joystick/Controller, MKIV RII L.P | 1 | 1 |
| | C | 1095269 | Controller, MKIV RII, Retro | 1 | 1 |
| | C | 1095270-NLA | NLA - Controller, MKIV RII, Retro L.P. | 1 | 1 |
| | C | 1109091-NLA | NLA - Programmer, Remote | 1 | 1 |
| | C | See Chart | Item#s 1-12 MKIV Joysticks | 1 | 1 |
| NOTE: A - For RII model chairs made before 5/1/00, the following must be ordered, RII Joystick #1092610, RII Retro Controller #1095269 and Remote Programmer part #1109091 B - For EXCEL model chairs made before 5/1/00, the following must be ordered, RII Joystick #1092610, RII L.P Retro Controller #1095270 and Remote Programmer #1109091. C - Not Shown. D - For joystick inductive and switch components, refer to chart under RII joystick assembly #1092610. | | | | | |

| Item Number | Description | RII and Excel After 4/30/00 | RX | A | A+ | TCHJOY |
|---------------|--------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-------------|
| See Pictorial | Joystick Assembly | 1092610-NLA | 1038603-NLA | 1065944-NLA | 1038608-NLA | 1095289-NLA |
| 1 | Knob, Joystick | 1040217 | 1040217 | 1040217 | 1040217 | N/A |
| 2 | Skirt, Joystick | 1040218 | 1040218 | 1040218 | 1040218 | N/A |
| 3 | Inductive, Joystick | 1036764-NLA See Note(s) B | 1036764-NLA See Note(s) C | 1036764-NLA See Note(s) C | 1036764-NLA See Note(s) B | N/A |
| 3 | Inductive, Joystick | N/A | 1104397-NLA See Note(s) D | 1104397-NLA See Note(s) D | N/A | N/A |
| 4 | Boot, Joystick | 50000X364 | 50000X364 | 50000X364 | 50000X364 | N/A |
| 5 | Overlay, Joystick Decal | 1049692-NLA See Note(s) A | 1038642-NLA | 1040190-NLA | 1036776-NLA | N/A |
| 6 | Cable Assembly | N/A See Note(s) A | 1036750-NLA See Note(s) C | 1036750-NLA See Note(s) C | 1036750-NLA See Note(s) B | N/A |
| 6 | Cable Assembly | N/A | 1104205-NLA See Note(s) D | 1104205-NLA See Note(s) D | N/A | N/A |
| 7 | Potentiometer, Speed | 1040225 See Note(s) B | 1040225 See Note(s) C | 1040225 See Note(s) C | N/A | N/A |
| 7 | Potentiometer, Speed | N/A | 1115518 See Note(s) D | 1115518 See Note(s) D | N/A | N/A |
| 8 | Knob, Potentiometer | 1025516-NLA | 1025516-NLA | 1025516-NLA | N/A | 1025516-NLA |
| 9 | Switch, On/Off Momentary | N/A | N/A | 1040185 See Note(s) C | 1040185 See Note(s) B | N/A |
| 9 | Switch, On/Off Momentary | N/A | N/A | 1115523 See Note(s) D | N/A | N/A |

MKIV Joysticks

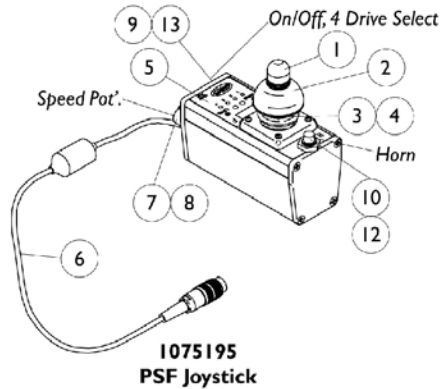
Excel, RII, RX, A, A+, Tchjoy

| Item Number | Description | RII and Excel After 4/30/00 | RX | A | A+ | TCHJOY |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------|------------------------------|-----|------------------------------|--------|
| 10 | Switch, Off/ 1-2 | N/A | 1038627-NLA See Note(s) C | N/A | N/A | N/A |
| 10 | Switch, Off/ 1-2 | N/A | 1115521-NLA See Note(s) D | N/A | N/A | N/A |
| 11 | Switch, Program | N/A | N/A | N/A | 1040186-NLA See Note(s) B | N/A |
| 12 | Switch, Toggle SPDT | 1010042 See Note(s) B | N/A | N/A | N/A | N/A |
| NOTE: A - Cable assembly and joystick overlay decal for RII joystick before 10/01/02 and after 9/30/02 are not available. B - Item requires soldering. C - Before 10/01/02 item requires soldering. D - After 9/30/02 item has a non-solder connector. | | | | | | |

MKIV Joysticks

PSF and PSR

NOTE: PSR STANDARD joystick configuration below show the on/off switch on the left side for part # 1075196. When the on/off switch is required on the right side, refer to part number 8881075196 and order as a configured part.



STANDARD: This PSR joystick includes a toggle on/off combined with a drive select and a push button horn. No speed selector.

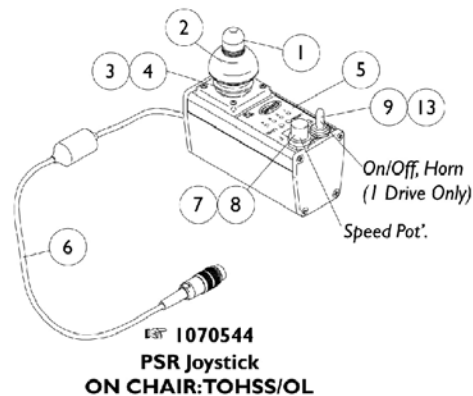
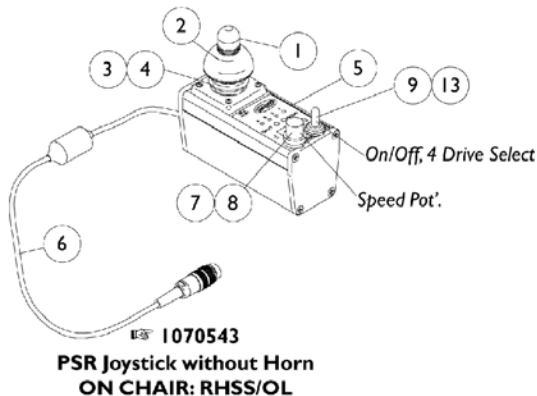
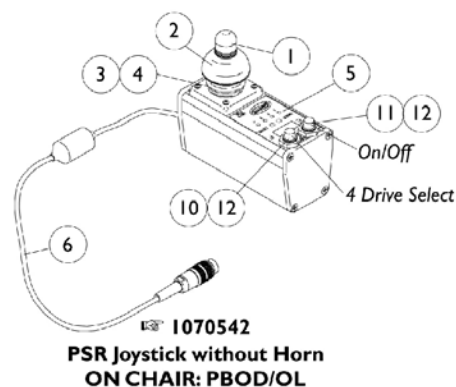
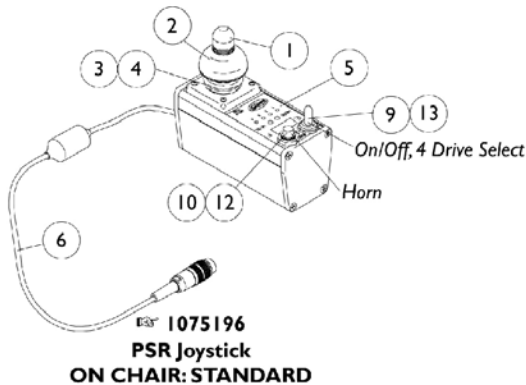
PBOD: This PSR joystick includes push button on/off with a push button drive select. This gives you access to the four drives, but no horn and no speed select.

RHSS: This PSR joystick replaces the horn with a speed selector. This allows you to deviate from having a horn to having a speed select dial, plus the drive selector to the four drives.

TOHSS: This PSR joystick includes a toggle on/off with horn and a speed select dial. You have access to only one drive.

OL: On/Off positioned on left side of the PSR joystick.

OR: On/Off positioned on right side of the PSR joystick.



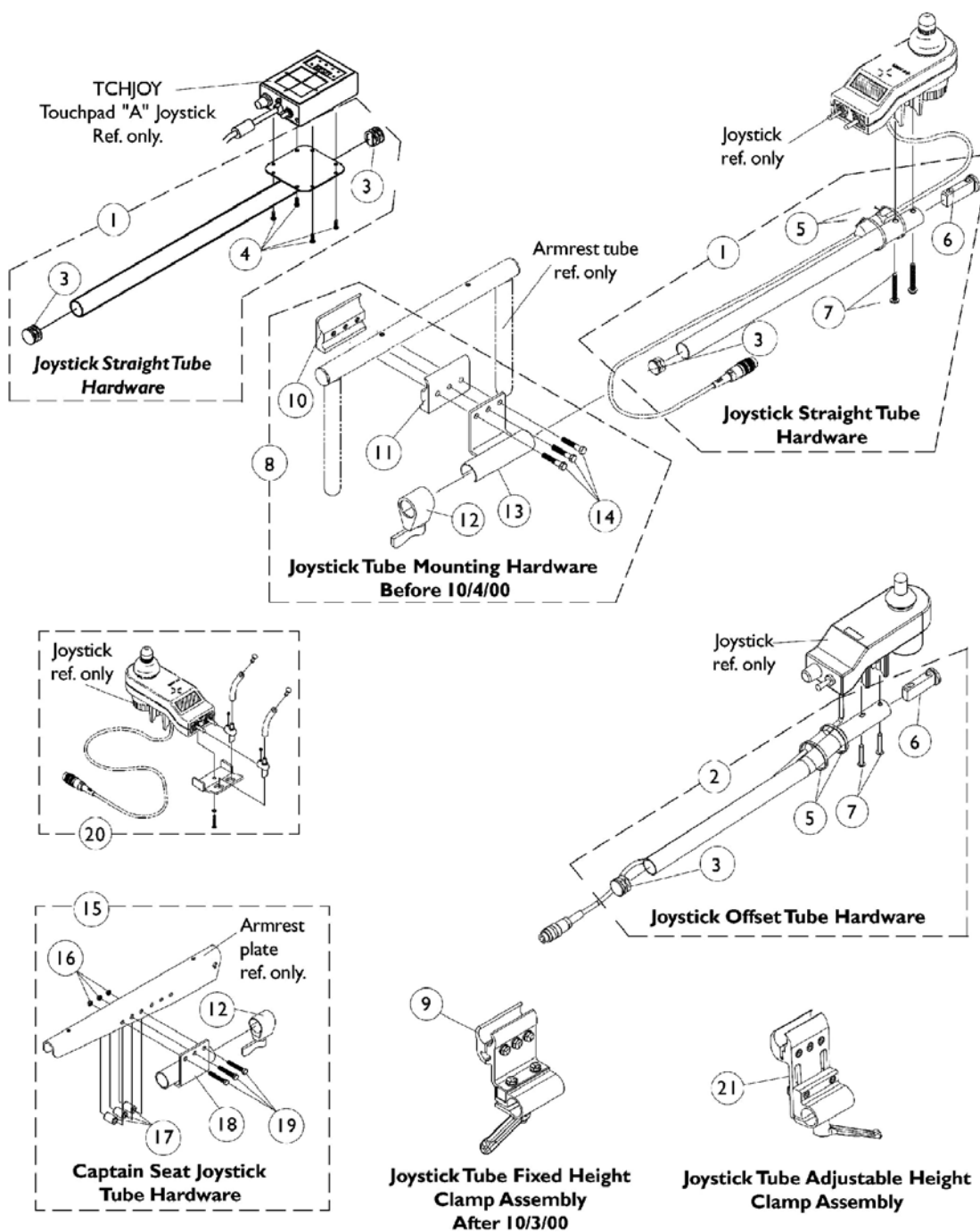
MKIV Joysticks

PSF and PSR

NOTE: PSR STANDARD joystick configuration below show the on/off switch on the left side for part # 1075196. When the on/off switch is required on the right side, refer to part number 8881075196 and order as a configured part.

| Item Number | Description | PS Before 12/1/97 | PSF After 11/30/97 | PSR After 11/30/97 |
|---------------|------------------------------------|----------------------|-----------------------|-----------------------|
| See Pictorial | Joystick Assembly | N/A | N/A | 1075196 |
| See Pictorial | Joystick Assembly | 1058468-NLA | 1075195-NLA | 8881075196 |
| See Pictorial | Joystick Assembly | N/A | N/A | 1070542-NLA |
| See Pictorial | Joystick Assembly | N/A | N/A | 1070543-NLA |
| See Pictorial | Joystick Assembly | N/A | N/A | 1070544-NLA |
| 1 | Knob, Joystick | 1040217 | 1040217 | 1040217 |
| 2 | Skirt, Joystick | 1040218 | 1040218 | 1040218 |
| 3 | Inductive, Joystick | 1036764-NLA | 1036764-NLA | 1036764-NLA |
| 4 | Boot, Joystick | 50000X364 | 50000X364 | 50000X364 |
| 5 | Overlay, Joystick Decal | 1058460-NLA | 1075034-NLA | 1079925-NLA |
| 6 | Cable Assembly | 1036750-NLA | 1036750-NLA | 1036750-NLA |
| 7 | Potentiometer Speed | N/A | 1040225 | 1040225 |
| 8 | Knob Potentiometer | N/A | 1025516-NLA | 1025516-NLA |
| 9 | Switch, On/Off Momentary | 1040185 | 1040185 | 1040185 |
| 10 | Switch, Push Button SPST Momentary | N/A | 1010047-NLA | 1010047-NLA |
| 11 | Switch, Push Button SPST | N/A | N/A | 1010048-NLA |
| 12 | Boot, Switch | N/A | 1010049-NLA | 1010049-NLA |
| 13 | Boot, Switch | 1058464 | 1058464 | 1058464 |

MKIV Joystick Mounting Hardware & Joystick Accessories

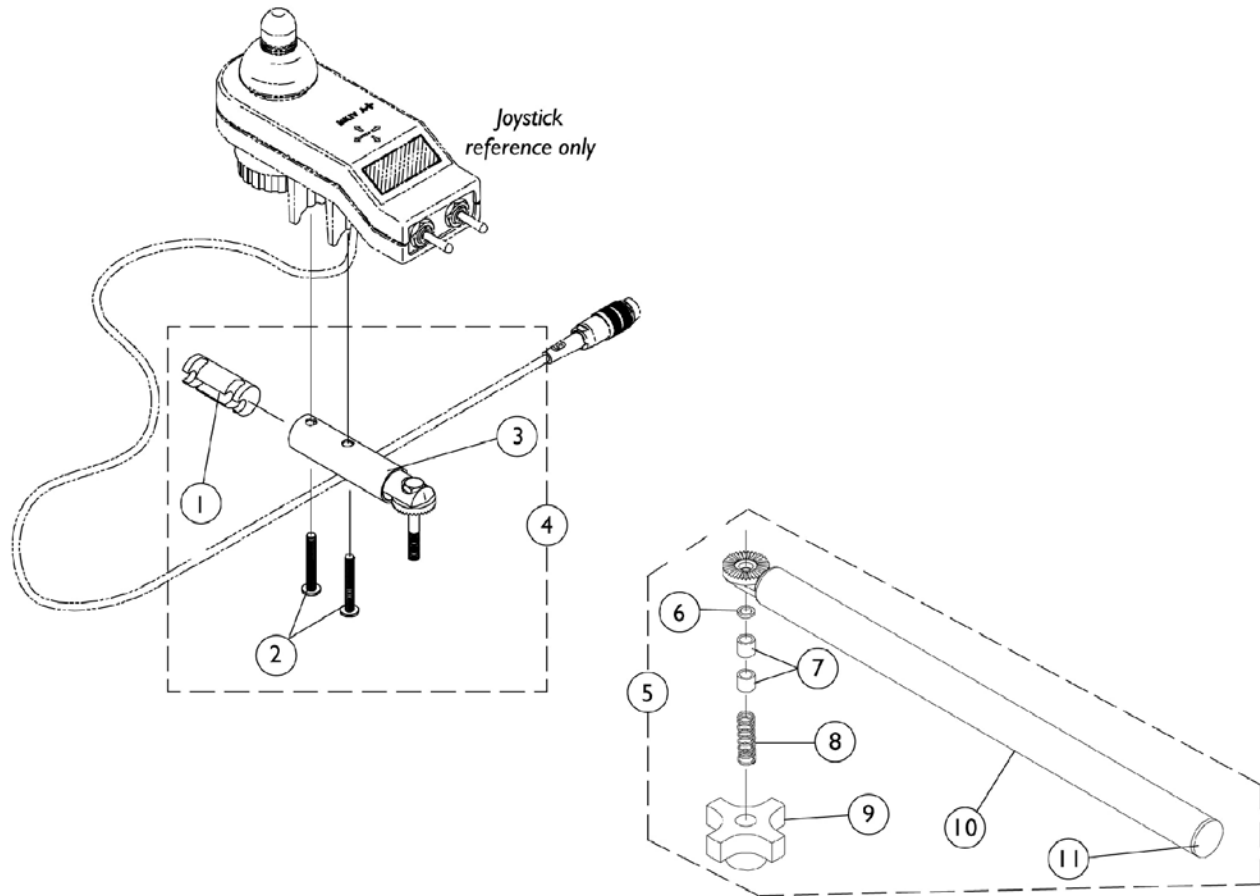


MKIV Joystick Mounting Hardware & Joystick Accessories

| Item Number | Note | Part Number | Description | Quantity Per | |
|-------------|--------------|---------------|---------------------------------------------------------------|--------------|----------|
| | | | | Package | Assembly |
| 1 | B,N | 1092604 | Kit, Straight Joystick Tube with Hardware | 1 | 1 |
| 1 | C,D,K | 1043568 | Kit, Straight Joystick Tube with Hardware | 1 | 1 |
| 2 | D,E,L,L 1 | 1093069 | Kit, 1/2" Offset Joystick Tube with Hardware | 1 | 1 |
| 3 | | 1027095 | Plug Button, Black (7/8") | 1 | 1 |
| 4 | | 1052041 | Screw, Phillips Pan Head (#4-40 x 3/8") | 1 | 1 |
| 5 | F | 1095502 | Package, Tie Wrap (11-1/2" L) | 10 | 2 |
| 6 | | 1093063 | Spacer, Joystick Tube, Black | 1 | 1 |
| 7 | | 1025714 | Screw, Phillips Pan Head (#10-32 x 1-1/8") | 1 | 1 |
| 8 | C,G,J | 1049591-NLA | NLA - Hardware, Joystick Tube Mounting | 1 | 1 |
| 9 | E,L,L1 | 1093071 | Clamp, Fixed Height Joystick Tube | 1 | 1 |
| 10 | | 1027267 | Half Clamp, Threaded Holes | 1 | 1 |
| 11 | | 1027266 | Half Clamp, Non-Threaded Holes | 1 | 1 |
| 12 | | 1027274 | Adjustment Lock Assembly, Black | 1 | 1 |
| 13 | | 1049582-NLA | NLA - Bracket, Joystick Mounting, Black | 1 | 1 |
| 14 | | 16690X004-NLA | NLA - Screw, Hex Head (1/4-20 x 1-1/8") | 1 | 1 |
| 15 | H | 1105050 | Kit, Joystick Tube Mounting Hardware - Captain/ Van Seat | 1 | 1 |
| 16 | | 1025195 | Locknut (1/4-20) | 1 | 1 |
| 17 | | 1101524-NLA | NLA - Spacer (1/4 x 7/16 x 5/8") | 1 | 3 |
| 18 | | 1105049 | Clamp Assembly, Fixed Height, Captain/ Van Seat | 1 | 1 |
| 19 | | 1057955 | Screw, Hex Head (1/4-20 x 1-1/4") | 1 | 3 |
| 20 | | 1055736 | Kit, Toggle Switch Extension | 1 | 1 |
| 21 | | 1139422 | Clamp, Height Adjustable Joystick Tube (ARM250) | 1 | 1 |
| | A | 1006270 | Extension, Joystick, "T" Style (1560) (4" W x 5-1/2" L) | 1 | 1 |
| | A | 1006271 | Extension, Joystick, Straight Style (1561) (1/2" W x 5" L) | 1 | 1 |

NOTE: A - Not Shown.
 B - Includes items 3 and 4.
 C - Before 10/4/00.
 D - Includes items 3, 5, 6 and 7.
 E - After 10/3/00. MKIV RII, RX, A, A+ PSF/PSR.
 F - Package of 10.
 G - Includes items 10-14.
 H - Includes items 16-19.
 J - PS, TCHJOY and (RII, RX, A, A+, PSF/PSR).
 K - MKIV RII, RX, A, A+ PSF/PSR.
 L - The joystick straight tube changed to an offset joystick tube on 10/4/00. The joystick tube mounting hardware also changed to a new fixed height clamp assembly to allow an individual to use an
 L1 - adjustment lever to securely hold the joystick tube in place. The fixed height joystick tube clamp can be used as a direct replacement in the field for the joystick tube mounting hardware part number 1049591 manufactured for chairs before 10/4/00.
 N - Due to product improvement, the joystick mounting bracket with a separate adjustment lock was replaced with the clamp assembly shown as of 2/20/03 and is backward compatible.

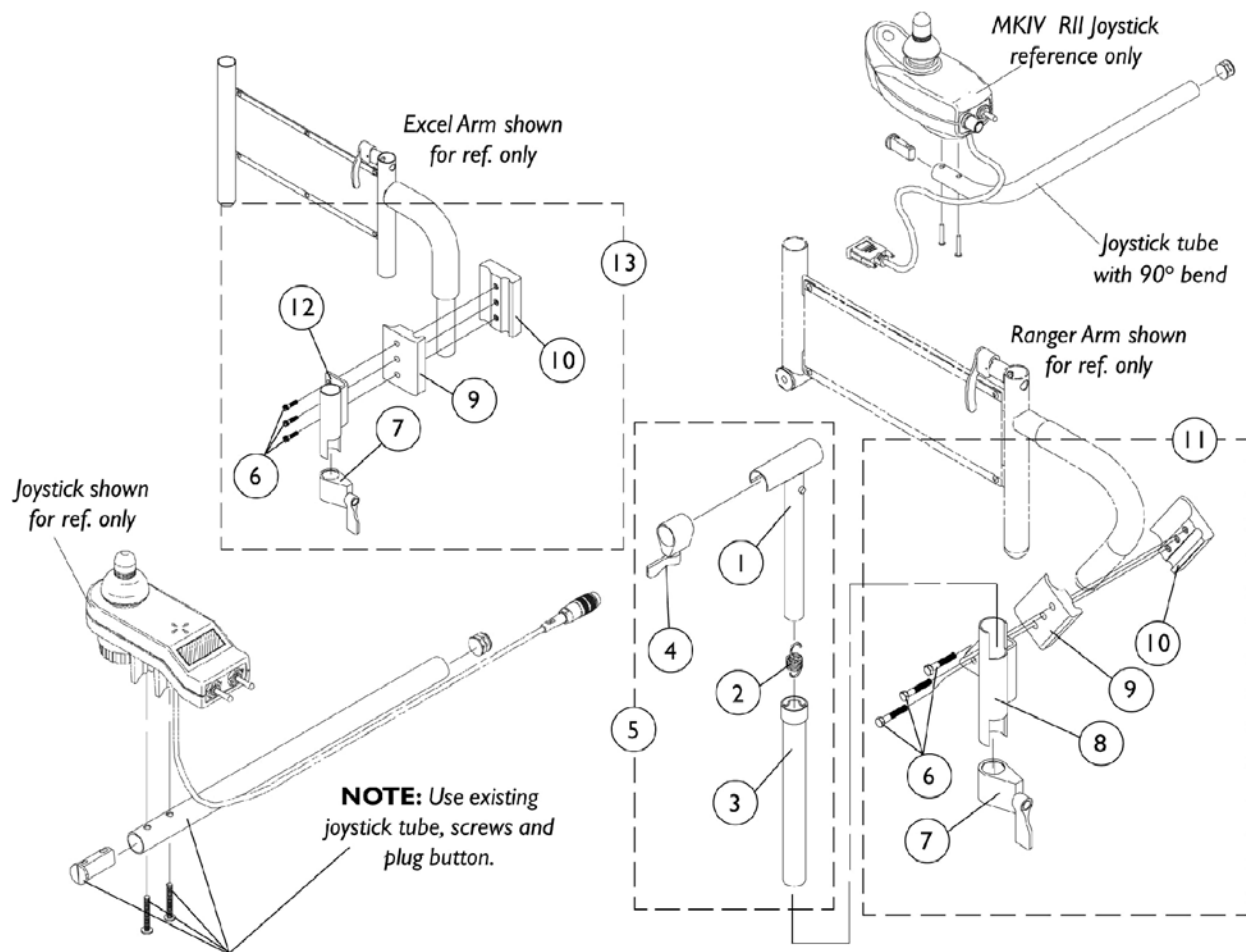
MKIV Swivel Joystick Hardware



MKIV Swivel Joystick Hardware

| Item Number | Note | Part Number | Description | Quantity Per | |
|-------------|------|-------------|-----------------------------------------------------|--------------|----------|
| | | | | Package | Assembly |
| 1 | | 1093063 | Spacer, Joystick Tube, Black | 1 | 1 |
| 2 | | 7930327 | Package, Screw, Phillips Pan Head (#10-32 x 1-1/8") | 25 | 1 |
| 3 | | 1049962-NLA | NLA - Bracket, Swivel Joystick, MKIV | 1 | 1 |
| 4 | | 1049963-NLA | NLA - Bracket, Swivel Joystick with Hardware | 1 | 1 |
| 5 | | 1035986-NLA | NLA - Joystick Swivel Tube with Hardware, Black | 1 | 1 |
| 6 | | 1020551-NLA | NLA - Washer, Flat (1/4 x 3/8 x 1/16") | 1 | 1 |
| 7 | | 1005844 | Bushing | 1 | 2 |
| 8 | | 1002511-NLA | NLA - Spring, Hitch Bracket | 1 | 1 |
| 9 | | 1023670-NLA | NLA - Knob, Clamping, Grey | 1 | 1 |
| 10 | | 1035990-NLA | NLA - Tube, Swivel Joystick, Black | 1 | 1 |
| 11 | | 1027095 | Plug Button, Black (7/8") | 1 | 1 |

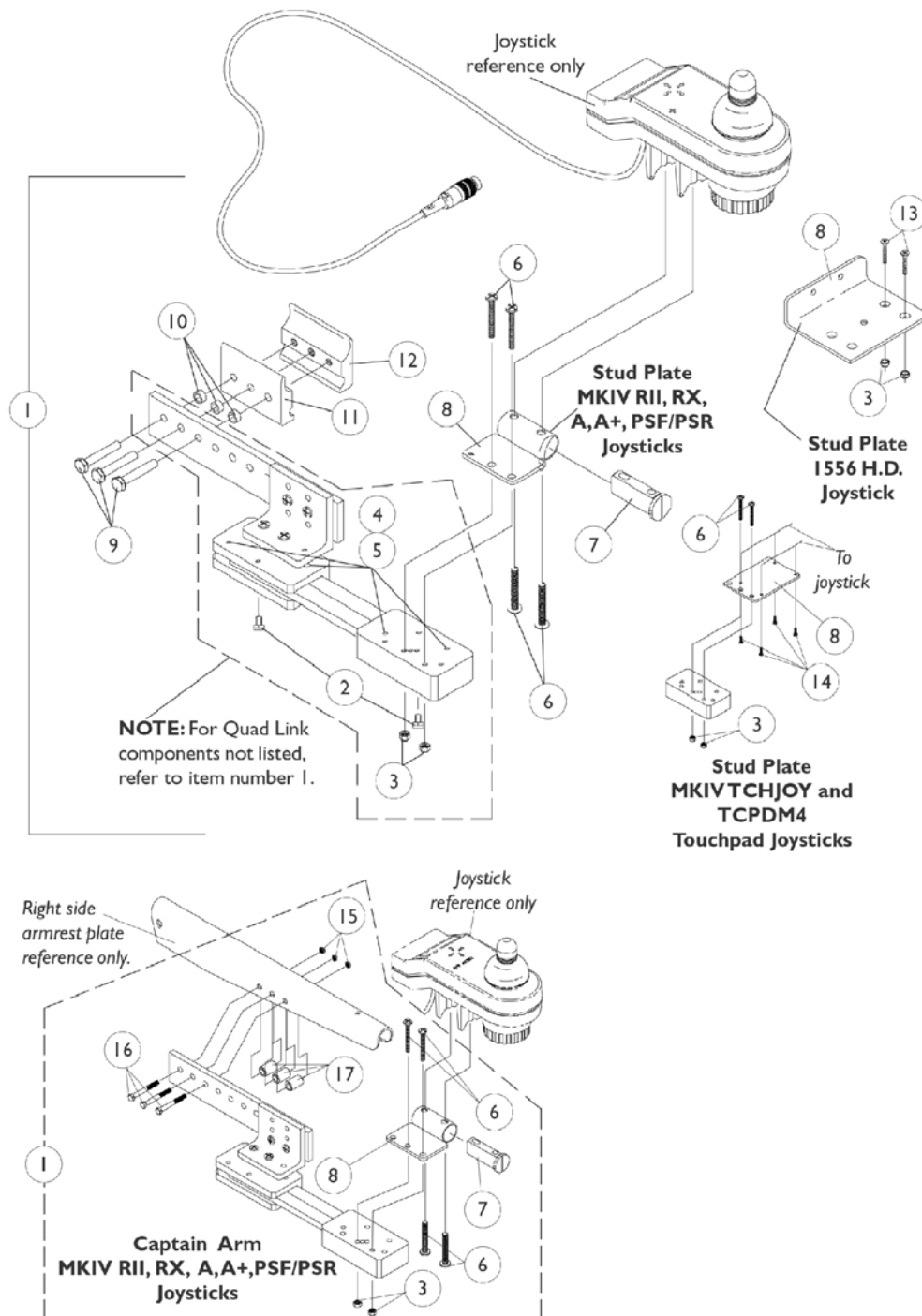
MKIV Mid-Line Swing Bracket Assembly



MKIV Mid-Line Swing Bracket Assembly

| Item Number | Note | Part Number | Description | Quantity Per | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|--------------------------------------------------|--------------|----------|
| | | | | Package | Assembly |
| 1 | A | 1035528-NLA | NLA - Tube, Adjustment, Inside, Mid-Line, Black | 1 | 1 |
| 2 | | 1016778-NLA | NLA - Spring, Extension (9/16 x 1-3/8" L) | 1 | 1 |
| 3 | | 1035860-NLA | NLA - Tube, Adjustment, Outside, Mid-Line, Black | 1 | 1 |
| 4 | | 1027274 | Adjustment Lock Assemnbly, Black | 1 | 1 |
| 5 | | 1035852 | Swing Bracket Assembly, Mid-Line, Black | 1 | 1 |
| 6 | B | 7930349-NLA | NLA - Screw, Hex Head (1/4-20 x 1-1/8") | 25 | 1 |
| 7 | | 1027274 | Adjustment Lock Assemnbly, Black | 1 | 1 |
| 8 | | 1071879-NLA | NLA - Bracket, Joystick Mounting, Black | 1 | 1 |
| 9 | B,C | 1027266 | Half Clamp, Non-Threaded Holes | 1 | 1 |
| 10 | | 1027267 | Half Clamp, Threaded Holes | 1 | 1 |
| 11 | | 1071880 | Hardware, Attaching - Mid-Line | 1 | 1 |
| 12 | D | 1049582-NLA | NLA - Bracket, Joystick Mounting, Black | 1 | 1 |
| 13 | | 1049591-NLA | NLA - Hardware, Joystick Tube Mounting | 1 | 1 |
| NOTE: A - Includes Items 1-4. B - Left side joystick mounting bracket or hardware must be ordered as a special. C - Includes Items 6-10. D - Includes Items 6, 7, 9, 10, and 12. | | | | | |

Quad Link Assembly (QL) (Before 4/07/06)



Quad Link Assembly (QL) (Before 4/07/06)

| Item Number | Note | Part Number | Description | Quantity Per | |
|-------------|------|-------------|-----------------------------------------------------|--------------|----------|
| | | | | Package | Assembly |
| 1 | A | 1052402 | Kit, Quad Link Assembly - Right | 1 | 1 |
| 2 | | | Ball Plunger Assembly with Lock Washer | 2 | 1 |
| 3 | | | Locknut (#10-32) | 1 | 2 |
| 4 | | | NLA - Screw, Cap, Socket Head (#10-32 x 1/2") | 1 | 4 |
| 5 | | | NLA - Bushing, Bronze (3/16 x 1/4 x 1/4") | 1 | 4 |
| 6 | | | Screw, Phillips Pan Head (#10-32 x 1-1/8") | 1 | 4 |
| 7 | | | Spacer, Joystick Tube, Black | 1 | 1 |
| 8 | | | Stud Plate, Quad Link | 1 | 1 |
| 9 | | | Screw, Hex Head (1/4-20 x 1-1/2") | 1 | 3 |
| 10 | | | Spacer (1/4 x 3/8 x 3/16") | 1 | 3 |
| 11 | A | 1115372 | Half Clamp, Non-Threaded Holes | 1 | 1 |
| 12 | | | Half Clamp, Threaded Holes | 1 | 1 |
| 1 | | | Kit, Quad Link Assembly - Left | 1 | 1 |
| 2 | | | Ball Plunger Assembly with Lock Washer | 2 | 1 |
| 3 | | | Locknut (#10-32) | 1 | 2 |
| 4 | | | NLA - Screw, Cap, Socket Head (#10-32 x 1/2") | 1 | 4 |
| 5 | | | NLA - Bushing, Bronze (3/16 x 1/4 x 1/4") | 1 | 4 |
| 6 | | | Screw, Phillips Pan Head (#10-32 x 1-1/8") | 1 | 4 |
| 7 | | | Spacer, Joystick Tube, Black | 1 | 1 |
| 8 | | | Stud Plate, Quad Link | 1 | 1 |
| 9 | B,E | 1034703-NLA | Screw, Hex Head (1/4-20 x 1-1/2") | 1 | 3 |
| 10 | | | Spacer (1/4 x 3/8 x 3/16") | 1 | 3 |
| 11 | | | Half Clamp, Non-Threaded Holes | 1 | 1 |
| 12 | | | Half Clamp, Threaded Holes | 1 | 1 |
| 1 | | | Kit, Quad Link Assembly - Right | 1 | 1 |
| 2 | | | Ball Plunger Assembly with Lock Washer | 2 | 1 |
| 3 | | | Locknut (#10-32) | 1 | 2 |
| 4 | | | NLA - Screw, Cap, Socket Head (#10-32 x 1/2") | 1 | 4 |
| 5 | | | NLA - Bushing, Bronze (3/16 x 1/4 x 1/4") | 1 | 4 |
| 8 | | | Plate, Stud, Quad Link For 1556 Heavy Duty Joystick | 1 | 1 |
| 9 | B | 1114866 | Screw, Hex Head (1/4-20 x 1-1/2") | 1 | 3 |
| 10 | | | Spacer (1/4 x 3/8 x 3/16") | 1 | 3 |
| 11 | | | Half Clamp, Non-Threaded Holes | 1 | 1 |
| 12 | | | Half Clamp, Threaded Holes | 1 | 1 |
| 13 | | | Screw, Phillips Flat Head (#10-32 x 1-1/8") | 1 | 2 |
| 1 | | | NLA - Kit, Quad Link Assembly - Left | 1 | 1 |
| 2 | | | Ball Plunger Assembly with Lock Washer | 2 | 1 |
| 3 | | | Locknut (#10-32) | 1 | 2 |
| 4 | | | NLA - Screw, Cap, Socket Head (#10-32 x 1/2") | 1 | 4 |
| 5 | | | NLA - Bushing, Bronze (3/16 x 1/4 x 1/4") | 1 | 4 |
| 8 | | | Plate, Stud, Quad Link For 1556 Heavy Duty Joystick | 1 | 1 |

Quad Link Assembly (QL) (Before 4/07/06)

| Item Number | Note | Part Number | Description | Quantity Per | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|------------------------------------------------------------------|----------------------------------------|----------|---|--|
| | | | | Package | Assembly | | |
| 9 | C | 1102027-NLA | Screw, Hex Head (1/4-20 x 1-1/2") | 1 | 3 | | |
| 10 | | | Spacer (1/4 x 3/8 x 3/16") | 1 | 3 | | |
| 11 | | | Half Clamp, Non-Threaded Holes | 1 | 1 | | |
| 12 | | | Half Clamp, Threaded Holes | 1 | 1 | | |
| 13 | | | Screw, Phillips Flat Head (#10-32 x 1-1/8") | 1 | 2 | | |
| 1 | | | NLA - Kit, Quad Link Assembly - Right For TCHJOY/TCPDM4 Touchpad | 1 | 1 | | |
| 2 | | | Ball Plunger Assembly with Lock Washer | 2 | 1 | | |
| 3 | | | Locknut (#10-32) | 1 | 2 | | |
| 4 | | | NLA - Screw, Cap, Socket Head (#10-32 x 1/2") | 1 | 4 | | |
| 5 | | | NLA - Bushing, Bronze (3/16 x 1/4 x 1/4") | 1 | 4 | | |
| 6 | | | Screw, Phillips Pan Head (#10-32 x 1-1/8") | 1 | 2 | | |
| 8 | | | NLA - Plate, Stud, Quad Link MKIV TCHJOY/TCPDM4 | 1 | 1 | | |
| 9 | | | Screw, Hex Head (1/4-20 x 1-1/2") | 1 | 3 | | |
| 10 | | | Spacer (1/4 x 3/8 x 3/16") | 1 | 3 | | |
| 11 | | | Half Clamp, Non-Threaded Holes | 1 | 1 | | |
| 12 | | | Half Clamp, Threaded Holes | 1 | 1 | | |
| 14 | D | 1074153 | NLA - Screw, Phillips Flat Head Countersunk (#4-40 x 3/8") | 1 | 4 | | |
| 1 | | | NLA - Kit, Quad Link Assembly - Right For Van Seats | 1 | 1 | | |
| 2 | | | Ball Plunger Assembly with Lock Washer | 2 | 1 | | |
| 3 | | | Locknut (#10-32) | 1 | 2 | | |
| 4 | | | NLA - Screw, Cap, Socket Head (#10-32 x 1/2") | 1 | 4 | | |
| 5 | | | NLA - Bushing, Bronze (3/16 x 1/4 x 1/4") | 1 | 4 | | |
| 6 | | | Screw, Phillips Pan Head (#10-32 x 1-1/8") | 1 | 4 | | |
| 7 | | | Spacer, Joystick Tube, Black | 1 | 1 | | |
| 8 | | | Stud Plate, Quad Link | 1 | 1 | | |
| 15 | | | Locknut (1/4-20) | 1 | 3 | | |
| 16 | | | Screw, Hex Head (1/4-20 x 1-1/2") | 1 | 3 | | |
| 17 | | | NLA - Spacer (1/4 x 7/16 x 5/8") | 1 | 3 | | |
| 2 | | | 1114863 | Ball Plunger Assembly with Lock Washer | 2 | 1 | |
| NOTE: A - Includes the Quad Link, items 2-12 and used with MKIV RII, RX, A, A+,PSF/PSR joysticks B - Includes the Quad Link, items 2-5, 8-13 and used with a 1556 Heavy Duty joystick C - Includes the Quad Link, items 2-6, 8-12, 14 and used with MKIV TCHJOY/TCPDM4 joysticks. Left side mounted Quad Link must be ordered as a special D - Includes the Quad Link, items 2-8, 15-17 and used with MKIV RII, RX, A, A+, PSF/PSR joysticks attached to a van seat. Left side mounted Quad Link must be ordered as a special E - Quad Link Assembly is no longer available. Please see Quad Link Assembly (After 4/06/06) category and use new Quad Link design as a replacement. | | | | | | | |

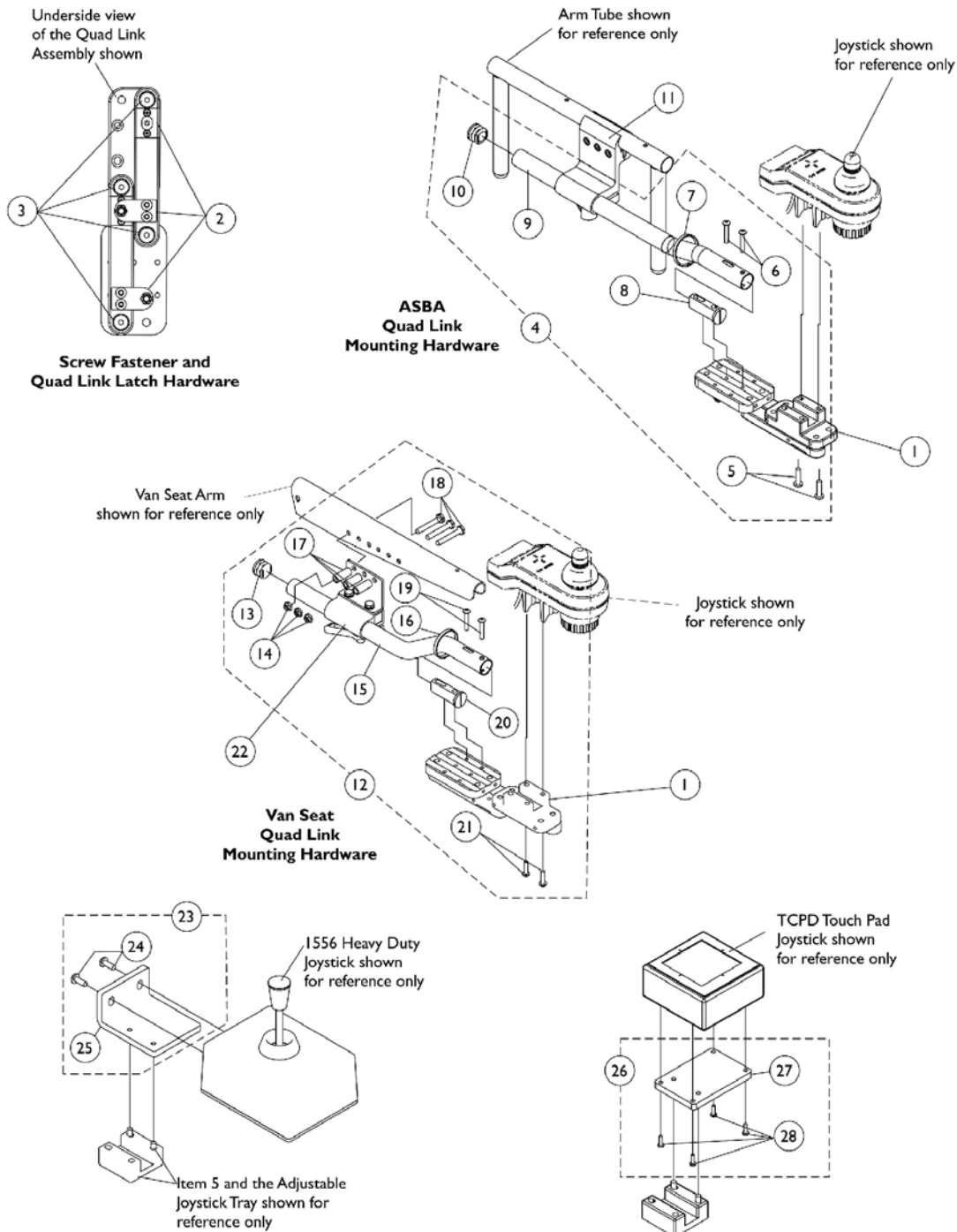
Quad Link Assembly (QL)

(After 4/06/06)

When converting an old style Quad Link that attaches to a mounting plate or (a Flex or Touch Pad Joystick Tube) is currently on the chair then order the following for:

- a) ASBA Seat; Quad Link Mtg. Hdwr. (item 4), Quad Link (item 1) & Ht. Adj. Joystick Tube Clamp (item 11)
- b) Van Seat; Quad Link Mtg. Hdwr. (item 12), Quad Link (item 1) & Joystick Tube Clamp (item 22)

NOTE: Substitute (item 4 & 12) with 2 ea. of the PPH Screws (item 5) when an offset joystick tube is currently on the chair. Additional Joystick Mtg. Hdwr. must be ordered when a 1556 Heavy Duty or TCPD Touch Pad is used.



Quad Link Assembly (QL) (After 4/06/06)

When converting an old style Quad Link that attaches to a mounting plate or (a Flex or Touch Pad Joystick Tube) is currently on the chair then order the following for:

a) ASBA Seat; Quad Link Mtg. Hdwr. (item 4), Quad Link (item 1) & Ht. Adj. Joystick Tube Clamp (item 11)

b) Van Seat; Quad Link Mtg. Hdwr. (item 12), Quad Link (item 1) & Joystick Tube Clamp (item 22)

NOTE: Substitute (item 4 & 12) with 2 ea. of the PPH Screws (item 5) when an offset joystick tube is currently on the chair. Additional Joystick Mtg. Hdwr. must be ordered when a 1556 Heavy Duty or TCPD Touch Pad is used.

| Item Number | Note | Part Number | Description | Quantity Per | |
|-------------|-----------|-------------|--------------------------------------------------------------|--------------|----------|
| | | | | Package | Assembly |
| 1 | | 1140898 | Quad Link (QL) with Instruction Sheet - Right | 1 | 1 |
| 1 | | 1140899 | Quad Link (QL) with Instruction Sheet - Left | 1 | 1 |
| 2 | A | 1140425 | Kit, Quad Link Latch Hardware | 1 | 1 |
| 3 | B | 1140424 | Kit, Quad Link Screw Fastener Hardware | 1 | 1 |
| 4 | C,C1 | 1142937 | Kit, ASBA/ADJASBA Quad Link Mounting Hardware | 1 | 1 |
| 5 | | | Screw, Phillips Pan Head w/ Patch (#10-32 x 3/4") | 1 | 2 |
| 6 | | | Screw, Phillips Pan Head (#10-32 x 1-1/8") | 1 | 2 |
| 7 | | | Tie Wrap (11-1/2" L) | 1 | 1 |
| 8 | | | Spacer, Joystick Tube, Black | 1 | 1 |
| 9 | | | Tube, Joystick Offset (2") | 1 | 1 |
| 10 | | | Plug Button, Black (7/8") | 1 | 1 |
| 5 | | 1105414 | Screw, Phillips Pan Head w/ Patch (#10-32 x 3/4") | 1 | 2 |
| 11 | | 1093071 | Clamp, Fixed Height Joystick Tube | 1 | 1 |
| 12 | C1,G,H,H1 | 1143041 | Kit, Quad Link Mounting Hardware - Van Seat | 1 | 1 |
| 13 | | | Plug Button, Black (7/8") | 1 | 1 |
| 14 | | | Locknut (1/4-20) | 1 | 3 |
| 15 | | | Tube, Joystick Offset (2") | 1 | 1 |
| 16 | | | Tie Wrap (11-1/2" L) | 1 | 1 |
| 17 | | | NLA - Spacer (1/4 x 7/16 x 5/8") | 1 | 3 |
| 18 | | | Screw, Hex Head (1/4-20 x 1-1/4") | 1 | 3 |
| 19 | | | Screw, Phillips Pan Head (#10-32 x 1-1/8") | 1 | 2 |
| 20 | | | Spacer, Joystick Tube, Black | 1 | 1 |
| 21 | | | Screw, Phillips Pan Head w/ Patch (#10-32 x 3/4") | 1 | 2 |
| 22 | | 1139681 | Clamp Assembly, Fixed Height, Captain/ Van Seat | 1 | 1 |
| 23 | D | 1139925-NLA | Kit, 1556 Heavy Duty Joystick To Quad Link Mounting Hardware | 1 | 1 |
| 24 | | | Screw, Phillips Pan Head (#10-32 x 1/2") | 1 | 2 |
| 25 | | | NLA - Plate, 1556 HD Joystick Quad Link | 1 | 1 |
| 26 | E | 1139683 | Kit, TCPD Touch Pad To Quad Link Mounting Hardware | 1 | 1 |
| 27 | | | Plate, TCPD Touch Pad Quad Link | 1 | 1 |
| 28 | | | Screw, Phillips Pan Head (#4-40 x 3/8") | 1 | 4 |
| 29 | | 1139682 | Kit, MPJ Joystick To Quad Link Mounting Hardware | 1 | 1 |
| 30 | | | T-Nut (#10-32) | 1 | 2 |
| | F | 1134844 | Instruction Sheet, Quad Link | 1 | 1 |

Quad Link Assembly (QL)

(After 4/06/06)

When converting an old style Quad Link that attaches to a mounting plate or (a Flex or Touch Pad Joystick Tube) is currently on the chair then order the following for:

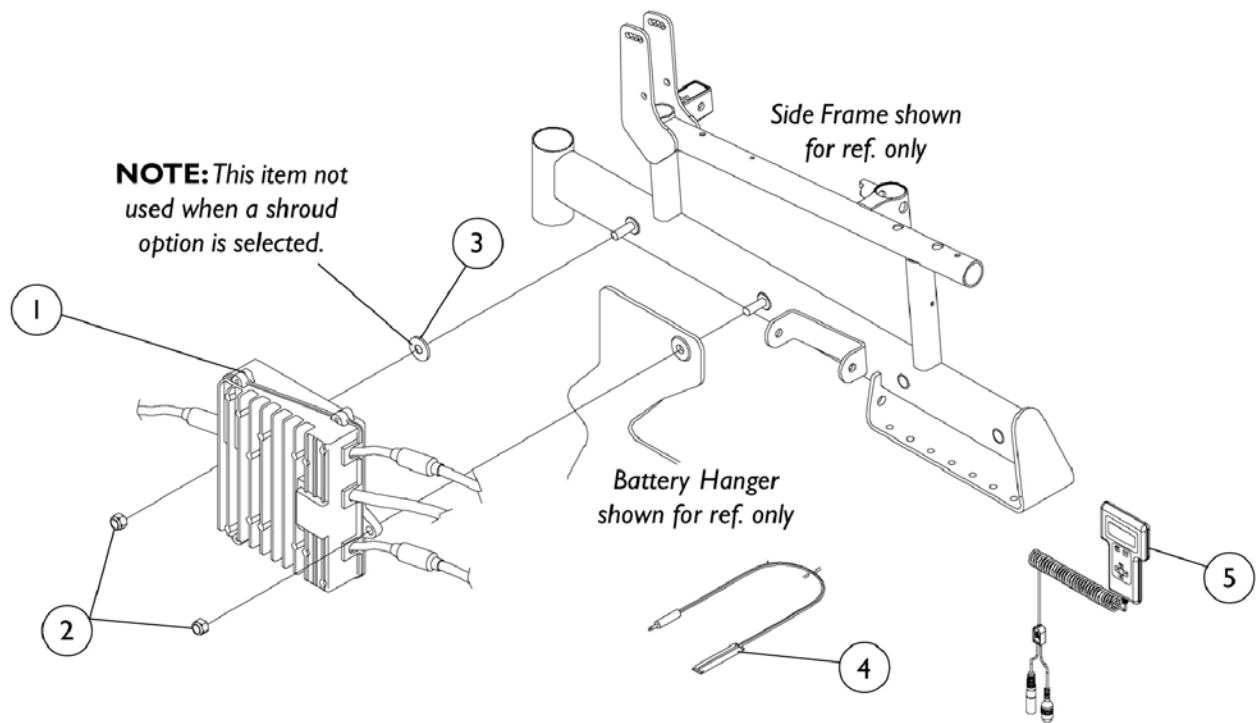
a) ASBA Seat; Quad Link Mtg. Hdwr. (item 4), Quad Link (item 1) & Ht. Adj. Joystick Tube Clamp (item 11)

b) Van Seat; Quad Link Mtg. Hdwr. (item 12), Quad Link (item 1) & Joystick Tube Clamp (item 22)

NOTE: Substitute (item 4 & 12) with 2 ea. of the PPH Screws (item 5) when an offset joystick tube is currently on the chair. Additional Joystick Mtg. Hdwr. must be ordered when a 1556 Heavy Duty or TCPD Touch Pad is used.

NOTE: A - Latch Kit includes 4 ea. Button Head Cap Screws (10-32 x 3/8"), 2 ea. Latch Spring Assembly, 4 ea. Phillips Flat C'Sunk Head Screws, 2 ea. Spring Catch Plates, 2 ea. Socket Head Set Screws (10-32 x 3/8")
B - Screw Fastener Kit includes 4 ea. Socket Head Shoulder Screws (3/8 x 3/8"), 2 ea. Socket Head Cap Screws (1/4-20 x 3/8"), 2 ea. Socket Head Set Screws (1/4-20 x 1/2"), 4 ea. Socket Head Set Screws (10-32 x 1/8")
C - Includes items 5-10. The Quad Link Mounting Hardware accommodates MKIV RII, and PSF/PSR joysticks.
C1 - When ordering the Quad Link for the first time, Additional hardware is required for 1556 Heavy Duty and TCPD Touch Pad joysticks. See pictorial for reference.
D - Includes items 24 and 25
E - Includes items 27 and 28
F - Not Shown
G - Includes items 13-21. The Quad Link Mounting Hardware accommodates MKIV RII, and PSF/PSR joysticks.
H - If Quad Link is to be mounted on chairs w/ van seats built Before 4/07/06, then the Armrest Attach. Hdwr. (1074120) must be ordered as well.
H1 - The new armrest plates have 3 additional holes drilled so that the quad link can be properly mounted.

MKIV Controller, Programmer & Attaching Hardware

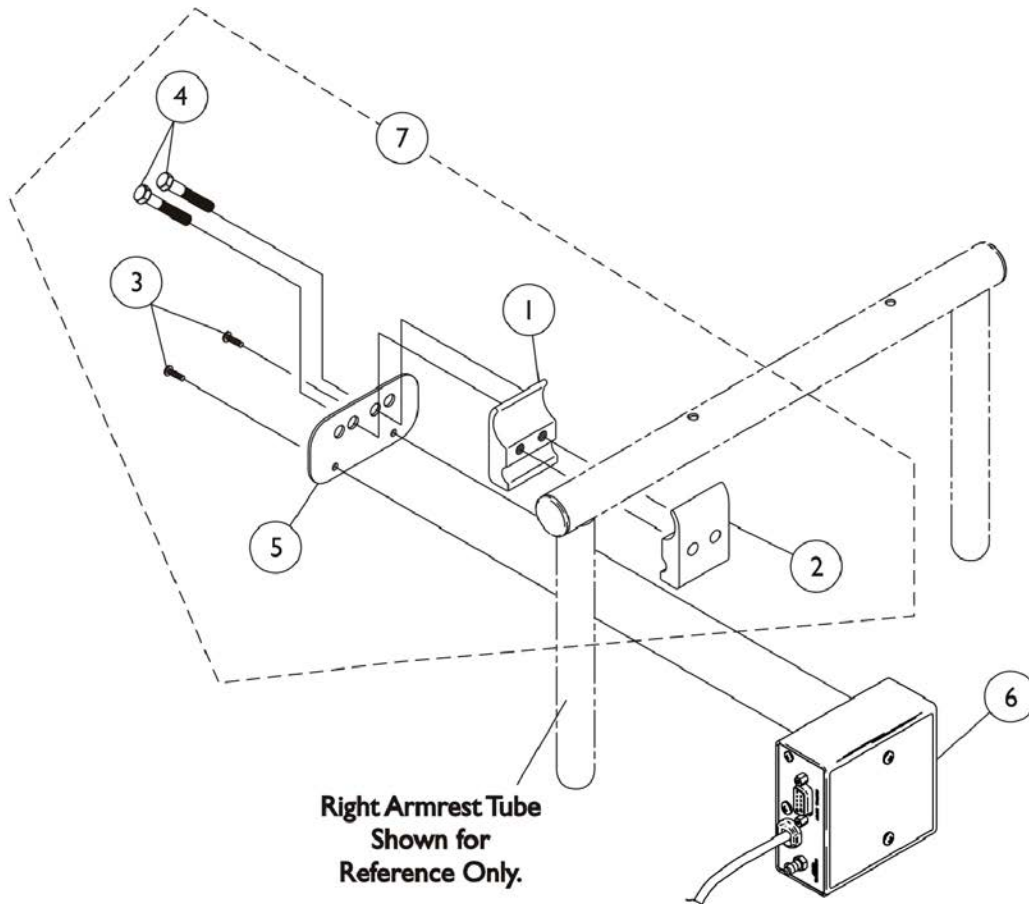


MKIV Controller, Programmer & Attaching Hardware

| Item Number | Note | Part Number | Description | Quantity Per | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------|----------------------------------------------------------------------------------------------|--------------|----------|
| | | | | Package | Assembly |
| 1 | H | 1105707-NLA | NLA - Controller, MKIV Quad Pulse | 1 | 1 |
| 1 | A,I | 1095270-NLA | NLA - Controller, MKIV RII, Retro L.P. | 1 | 1 |
| 1 | B,J | 1095269 | Controller, MKIV RII, Retro | 1 | 1 |
| 2 | | 1026158 | Locknut (5/16-18) | 1 | 2 |
| 3 | | 1079247 | Washer, Flat (21/64 x 53/64 x 7/64") | 1 | 1 |
| 4 | | 1020818 | Switch, Red Flex Ribbon (Tape) Reset | 1 | 1 |
| 4 | K | 1123276 | Kit, Switch, Black Egg Reset w/ Hook/Loop Adhesive Back Fastener & Attaching Screws (EGSBLK) | 1 | 1 |
| 5 | | 1109091-NLA | NLA - Programmer, Remote | 1 | 1 |
| | D | 1064404-NLA | NLA - Virtual Service Modem Kit | 1 | 1 |
| | D | 1091631-NLA | NLA - Virtual Service Software Kit | 1 | 1 |
| | D | 1046117-NLA | NLA - Printer and Interface | 1 | 1 |
| | D,F | 1091980-NLA | NLA - Disk, 3.5 H.D. Floppy with V.S. Software | 1 | 1 |
| | D,E,F | 1095204 | Cable, Virtual Service, Charger/Modem | 1 | 1 |
| | D,F | 1091637-NLA | NLA - Adaptor, Null Modem | 1 | 1 |
| | D,F | 1091636-NLA | NLA - Service Manual - V.S. Software Kit | 1 | 1 |
| | D,G | 1026572-NLA | NLA - Paper, Printer | 1 | 1 |
| | D,G | 1027280-NLA | NLA - Harness, Printer Wiring | 1 | 1 |
| <p>NOTE: A - RII retro LP. controller after 4/30/00 and new RII joystick #1092610 serve as direct replacements for Joystick/Controller #1080953.</p> <p>B - RII retro controller after 4/30/00 and new RII joystick #1092610 serve as direct replacements for Joystick/Controller #1080723.</p> <p>D - Not Shown.</p> <p>E - May be ordered as an individual part or is included in the "Virtual Service Modem Kit."</p> <p>F - May be ordered as an individual part or is included in the "Virtual Service Software Kit."</p> <p>G - May be ordered as an individual part or is included in "Printer and Interface."</p> <p>H - MKIV Quad Pulse.</p> <p>I - MKIV RII L.P. Retro (After 4/30/00) (EXCEL).</p> <p>J - MKIV RII Retro (After 4/30/00) (RII and R2jr.).</p> <p>K - Not Shown. After 5/23/04 the Egg Reset Switch became available as a service part and can be used as a direct replacement for the tape reset switch part # 1020818.</p> | | | | | |

MKIV Sip-N-Puff/Digital Interface

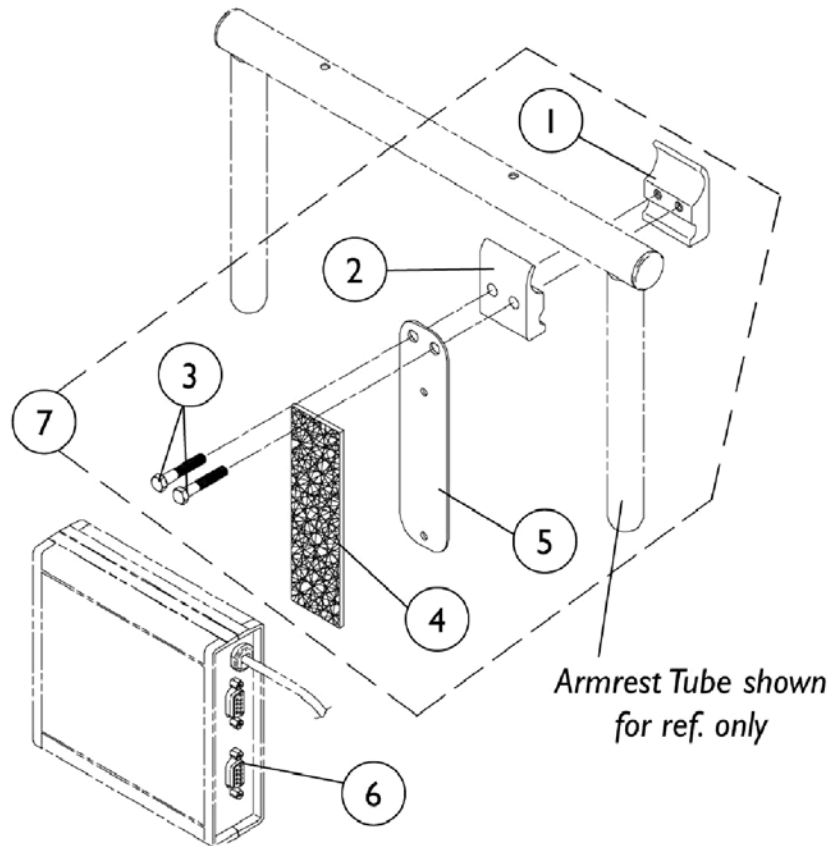
NOTE: SNPM4 On Chair / 1038635 Off Chair



| Item Number | Note | Part Number | Description | Quantity Per | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------------------------------------------------------|--------------|----------|
| | | | | Package | Assembly |
| 6 | | 1038635-NLA | NLA - Sip-N-Puff w/ Digital Interface | 1 | 1 |
| 7 | A,B | 1049593 | Kit, SNP/DI, MK5 SAC, 4WSB, S4WSB, GTAM, AUX12M6, AUX34M6 Mtg. Hdw. | 1 | 1 |
| 1 | | | Half Clamp, Threaded Holes | 1 | 1 |
| 2 | | | Half Clamp, Non-Threaded Holes | 1 | 1 |
| 3 | | | NLA - Screw, Hex Head (1/4-20 x 1-1/8") | 1 | 2 |
| 4 | | | Screw, Phillips Pan Head (#4-40 x 3/8") | 1 | 2 |
| 5 | | | Plate, Mounting | 1 | 1 |
| NOTE: A - Includes items 1-5 | | | | | |
| B - As of 5/22/07 the Mounting Plate holes and the orientation of the Hardware was revised to attach the electronics closer to the chair. The Mounting Hardware Kit is backward compatible. | | | | | |

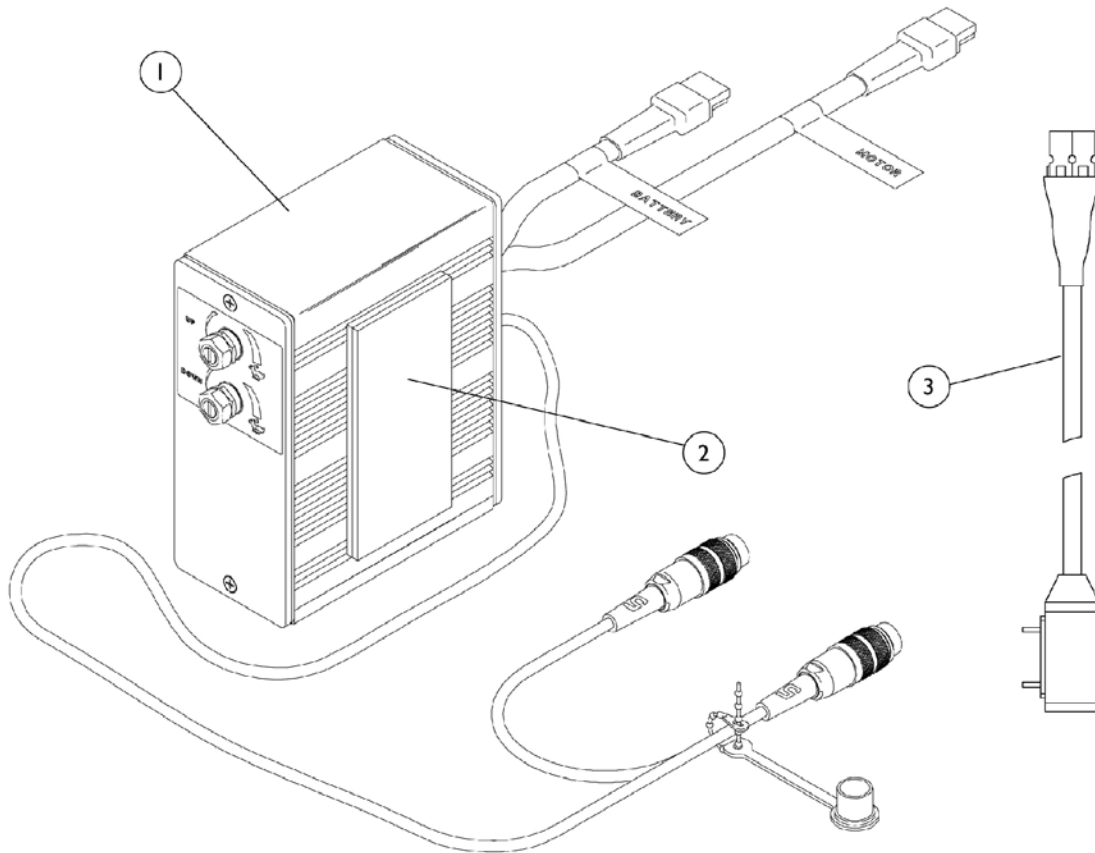
COM12 & COM34

NOTE: COM12 and COM34 On Chair / 1038639 and 1086241 Off Chair



| Item Number | Note | Part Number | Description | Quantity Per | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----------------------------------------------------------------|--------------|----------|
| | | | | Package | Assembly |
| 6 | B | See Note | See Footnote | 1 | 1 |
| 6 | | 1086241-NLA | NLA - Module, Communication, COM34/AUX34 | 1 | 1 |
| 7 | A | 1049592 | Kit, COM12/AUX12 and COM34/AUX34 Mounting Hardware | 1 | 1 |
| 1 | | | Half Clamp, Threaded Holes | 1 | 1 |
| 2 | | | Half Clamp, Non-Threaded Holes | 1 | 1 |
| 3 | | | NLA - Screw, Hex Head (1/4-20 x 1-1/8") | 1 | 2 |
| 4 | | | NLA - Fastener, Dual Lock Hook and Loop Adhesive (2" W x 12" L) | 1 | 1 |
| 5 | | | Plate, COM12/AUX12 and COM34/AUX34 Mounting | 1 | 1 |
| NOTE: A - Includes items 1-5. Item 4 that is packaged with the kit will only be a 4" long "loop" fastener. B - Part is no longer serviceable in the field. | | | | | |

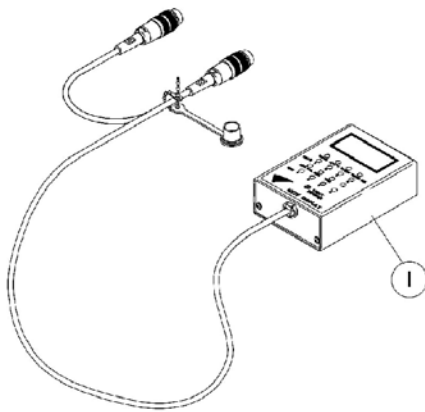
MKIV Recliner Control & Recliner Cable



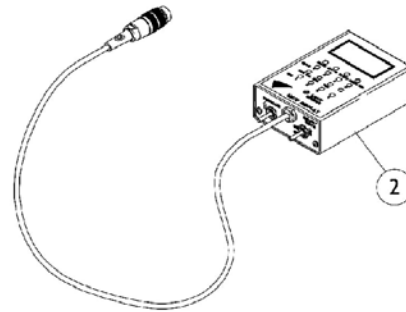
| Item Number | Note | Part Number | Description | Quantity Per | |
|-------------|------|-------------|-----------------------------------------------------------------|--------------|----------|
| | | | | Package | Assembly |
| 1 | | 1054376-NLA | NLA - Control, Recliner | 1 | 1 |
| 2 | | 1095501-NLA | NLA - Fastener, Dual Lock Hook and Loop Adhesive (2" W x 12" L) | 1 | 1 |
| 3 | A | 1098905 | Cable Assembly, 24 Volt, Anderson/P.T.O. | 1 | 1 |
| | | 1005151-NLA | NLA - Cable, Recliner | 1 | 1 |

NOTE: A - Not Shown.

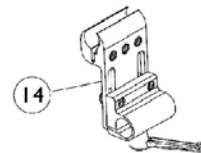
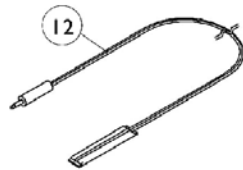
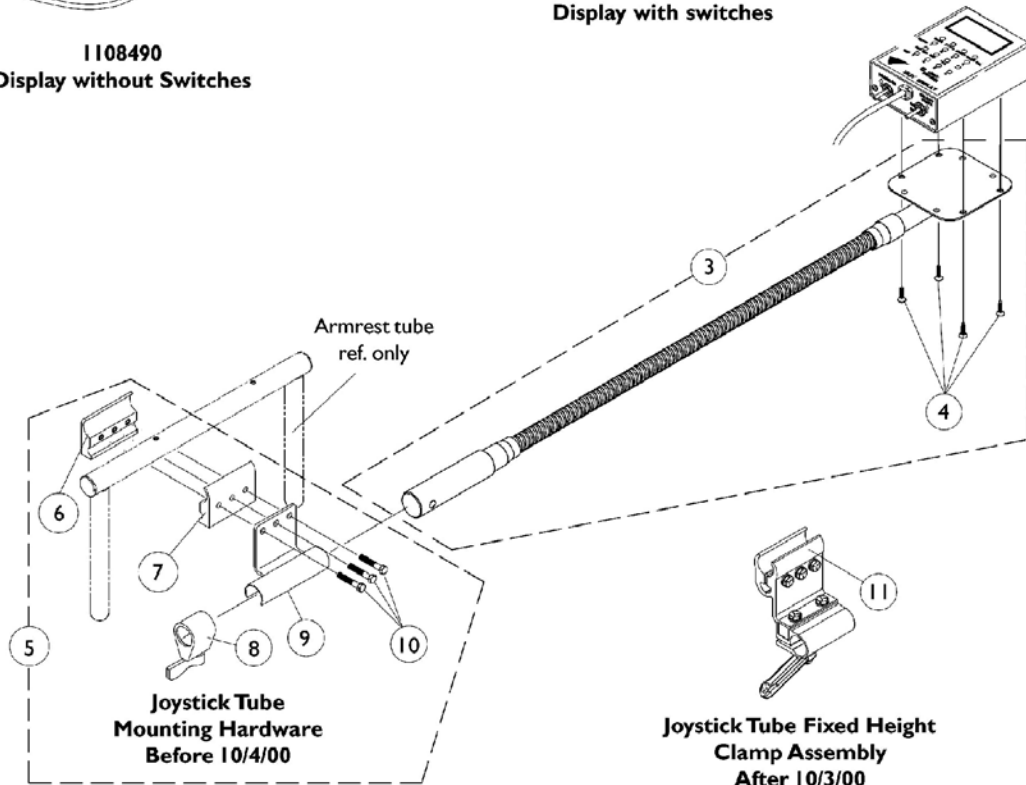
MKIV Displays



I108490
Display without Switches



I108489
Display with switches



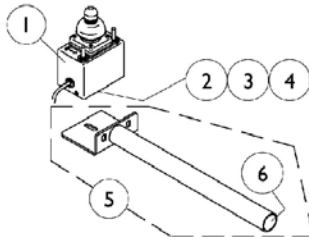
**Joystick Tube Adjustable Height
Clamp Assembly**

MKIV Displays

| Item Number | Note | Part Number | Description | Quantity Per | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------|----------------------------------------------------------------------------------------------|--------------|----------|
| | | | | Package | Assembly |
| 1 | | 1108490-NLA | NLA - Display without Switches | 1 | 1 |
| 2 | | 1108489 | Display with Switches | 1 | 1 |
| 3 | A | 1049594 | Tube, Flex with Screws | 1 | 1 |
| 4 | | 7930339-NLA | NLA - Package, Screw, Phillips Pan Head (#4-40 x 3/8") | 1 | 4 |
| 5 | B | 1049591-NLA | NLA - Hardware, Joystick Tube Mounting | 1 | 1 |
| 6 | | 1027267 | Half Clamp, Threaded Holes | 1 | 1 |
| 7 | | 1027266 | Half Clamp, Non-Threaded Holes | 1 | 1 |
| 8 | | 1027274 | Adjustment Lock Assemnbly, Black | 1 | 1 |
| 9 | | 1049582-NLA | NLA - Bracket, Joystick Mounting, Black | 1 | 1 |
| 10 | | 16690X004-NLA | NLA - Screw, Hex Head (1/4-20 x 1-1/8") | 1 | 1 |
| 11 | C | 1093071 | Clamp, Fixed Height Joystick Tube | 1 | 1 |
| 12 | D | 1020818 | Switch, Red Flex Ribbon (Tape) Reset | 1 | 1 |
| 13 | E | 1123276 | Kit, Switch, Black Egg Reset w/ Hook/Loop Adhesive Back Fastener & Attaching Screws (EGSBLK) | 1 | 1 |
| 14 | | 1139422 | Clamp, Height Adjustable Joystick Tube (ARM250) | 1 | 1 |
| NOTE: A - Includes the Flex Tube and item 4 B - Before 10/4/00 and includes items 6-10 C - After 10/3/00 and can be used as a direct replacement for the Joystick Tube Mounting Hardware part number 1049591 in the field D - Before 5/24/04 E - After 5/23/04 the Egg Reset Switch replaced the Red Flex Ribbon (Tape) Reset Switch | | | | | |

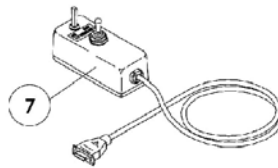
MKIV Joystick Options

REMOTE JOYSTICK



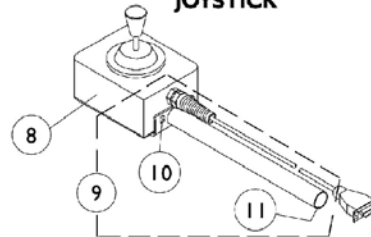
ON CHAIR: 1555M4
OFF CHAIR: 1038634
Used with display w/o switches
1108490

ATTENDANT CONTROL JOYSTICK



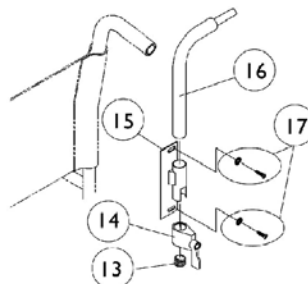
ON CHAIR: 1552M4
OFF CHAIR: 1025590

HEAVY DUTY JOYSTICK



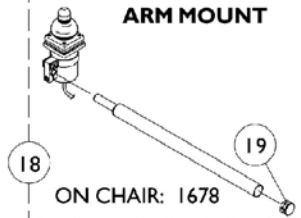
ON CHAIR: 1556M4
OFF CHAIR: 1041544
Used with display w/ switches
1108489

REAR CANE MOUNT



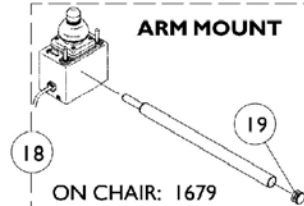
ON CHAIR: 1673

ARM MOUNT



ON CHAIR: 1678

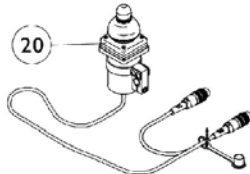
ARM MOUNT



ON CHAIR: 1679

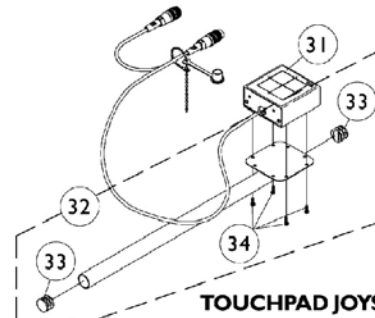
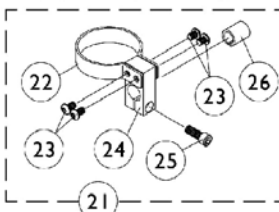
NOTE: Arm mounting tube shown above and additional arm mounting hardware are shipped when the On-Chair model number 1678 or 1679 is ordered.

DUAL/COMPACT JOYSTICK W/ MTG. HARDWARE



ON CHAIR: 1812M4/1558M4
OFF CHAIR: 1038638

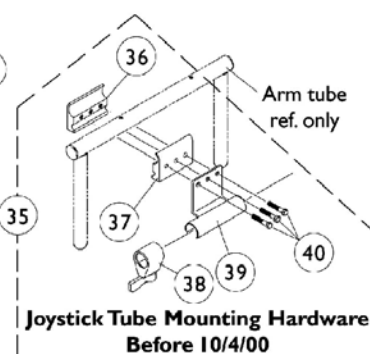
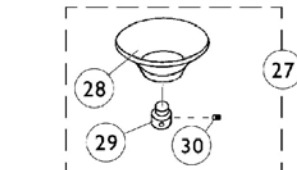
DUAL/COMPACT JOYSTICK MOUNTING HARDWARE



TOUCHPAD JOYSTICK

ON CHAIR: TCPDM4
OFF CHAIR: 1091353

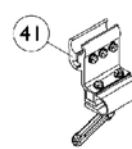
Used with display w/ switches
1108489



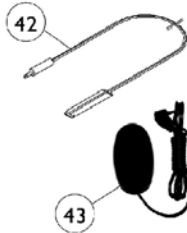
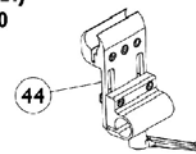
Joystick Tube Mounting Hardware
Before 10/4/00

⊛ Reset Switch may be required.

Joystick Tube Fixed Height
Clamp Assembly
After 10/3/00



Joystick Tube Adjustable Height
Clamp Assembly



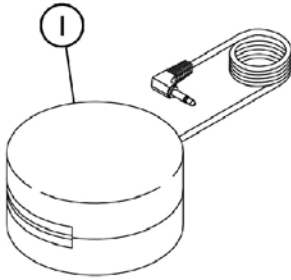
MKIV Joystick Options

| Item Number | Note | Part Number | Description | Quantity Per | |
|-------------|------|---------------|----------------------------------------------------------------------------------------------|--------------|----------|
| | | | | Package | Assembly |
| 1 | M | See Note | See Footnote | 1 | 1 |
| 2 | | 1010848-NLA | NLA - Clamp, Universal Swivel | 1 | 1 |
| 3 | | 12595X000 | Handle, Lock, Chrome | 1 | 1 |
| 4 | | 15108X000 | Locknut (1/4-20) | 1 | 1 |
| 5 | | 1044928-NLA | NLA - Joystick Tube with Plug Button Assembly | 1 | 1 |
| 6 | | 1027095 | Plug Button, Black (7/8") | 1 | 1 |
| 7 | | 1025590 | Joystick, Attendant Control (1552M) | 1 | 1 |
| 8 | | 1041544-NLA | NLA - Joystick, Heavy Duty | 1 | 1 |
| 9 | A | 1052719 | Kit, Straight Joystick Tube with Hardware | 1 | 1 |
| 10 | | 1016401 | Screw, Phillips Round Head (#10-32 x 3/8") | 1 | 3 |
| 11 | | 1027095 | Plug Button, Black (7/8") | 1 | 1 |
| 12 | B | 1044917 | Hardware, Rear Cane Mount (1673/RCM) | 1 | 1 |
| 13 | | 1027095 | Plug Button, Black (7/8") | 1 | 1 |
| 14 | | 1027274 | Adjustment Lock Assemnbly, Black | 1 | 1 |
| 15 | | 1025245-NLA | NLA - Bracket, Upright, Black -Right | 1 | 1 |
| 16 | | 1044918-NLA | NLA - Tube, Joystick | 1 | 1 |
| 17 | | 1076284 | Screw w/ Washer (#10 x 7/8") | 2 | 1 |
| 18 | C | 1052309 | Tube, Arm Mount with Plug Button, Black | 1 | 1 |
| 19 | | 1027095 | Plug Button, Black (7/8") | 1 | 1 |
| 20 | | 1038638-NLA | NLA - Joystick, MKIV Dual/Compact | 1 | 1 |
| 21 | D | 1108012 | Hardware, Dual/Compact Joystick Clamp Mounting | 1 | 1 |
| 22 | | 1025048 | Clamp | 1 | 1 |
| 23 | | 1021460 | Screw, Socket Button Head (#10-32 x 5/16") | 1 | 4 |
| 24 | | 1025045-NLA | NLA - Clamp, Mounting | 1 | 1 |
| 25 | | 1027089-NLA | NLA - Screw, Socket Head (#10-24 x 1/2") | 1 | 1 |
| 26 | | 1026273-NLA | NLA - Spacer, Split (3/8" I.D.) | 1 | 1 |
| 27 | E | 1020392 | Chin Cup Assembly - 1826 | 1 | 1 |
| 28 | | 1017545 | Cup, Chin | 1 | 1 |
| 29 | N | 1017612-NLA | NLA - Screw, Adaptor | 1 | 1 |
| 30 | | 90032X000 | Screw, Set Socket Cup Point (#8-32 x 1/4") | 1 | 2 |
| 31 | | 1091353-NLA | NLA - Touchpad, Joystick Assembly | 1 | 1 |
| 32 | F | 1092604 | Kit, Straight Joystick Tube with Hardware | 1 | 1 |
| 33 | | 1027095 | Plug Button, Black (7/8") | 1 | 2 |
| 34 | | 1052041 | Screw, Phillips Pan Head (#4-40 x 3/8") | 1 | 4 |
| 35 | G | 1049591-NLA | NLA - Hardware, Joystick Tube Mounting | 1 | 1 |
| 36 | | 1027267 | Half Clamp, Threaded Holes | 1 | 1 |
| 37 | | 1027266 | Half Clamp, Non-Threaded Holes | 1 | 1 |
| 38 | | 1027274 | Adjustment Lock Assemnbly, Black | 1 | 1 |
| 39 | | 1049582-NLA | NLA - Bracket, Joystick Mounting, Black | 1 | 1 |
| 40 | | 16690X004-NLA | NLA - Screw, Hex Head (1/4-20 x 1-1/8") | 1 | 3 |
| 41 | H | 1093071 | Clamp, Fixed Height Joystick Tube | 1 | 1 |
| 42 | I | 1020818 | Switch, Red Flex Ribbon (Tape) Reset | 1 | 1 |
| 43 | J | 1123276 | Kit, Switch, Black Egg Reset w/ Hook/Loop Adhesive Back Fastener & Attaching Screws (EGSBLK) | 1 | 1 |

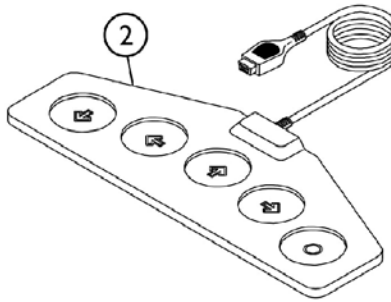
MKIV Joystick Options

| Item Number | Note | Part Number | Description | Quantity Per | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-------------------------------------------------|--------------|----------|
| | | | | Package | Assembly |
| 44 | | 1139422 | Clamp, Height Adjustable Joystick Tube (ARM250) | 1 | 1 |
| | K | 1108490-NLA | NLA - Display without Switches | 1 | 1 |
| | L | 1108489 | Display with Switches | 1 | 1 |
| NOTE: A - Includes the joystick tube and items 10 and 11 B - Includes items 13-17 C - For On-Chair model numbers 1678 and 1679. Includes the joystick tube and item 19 D - Includes items 22-26 E - Includes items 28-30 F - Includes the joystick tube, items 33 and 34 G - Before 10/4/00 and includes items 36-40 H - After 10/3/00. Individual components are non-saleable. Can be used as a direct replacement in the field for the Joystick Tube Mounting Hardware part number 1049591. I - Before 5/24/04 J - After 5/23/04. The Egg Reset Switch replaced the Red Flex Ribbon (Tape) Reset Switch K - Not Shown and used with the Remote Joystick L - Not Shown and used with the Heavy Duty and Touch Pad Joystick M - No longer available as a service part in the field. N - Part #1017612 is no longer available as a service part individually. Order item #27 as a replacement. | | | | | |

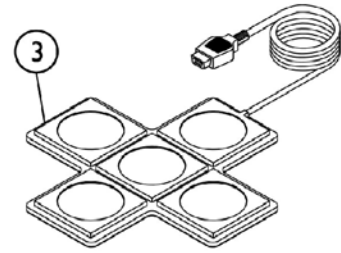
Tash & Therafin Accessories



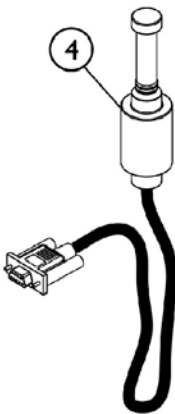
P5820 Red Soft Switch
P5821 Green Soft Switch



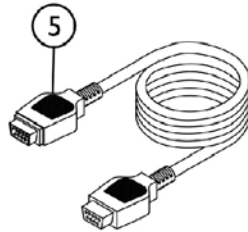
P5018 Wafer Board



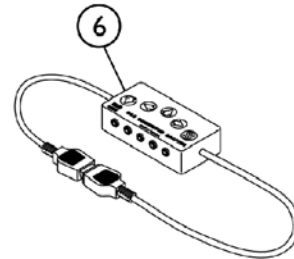
P5026 Star Control



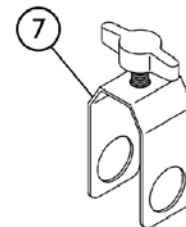
P5020 Mini Joystick with Push



P4337 Multi-Ability Cable



P4353-CA5 Multi-Connector Box



P5970 “U” Clamp

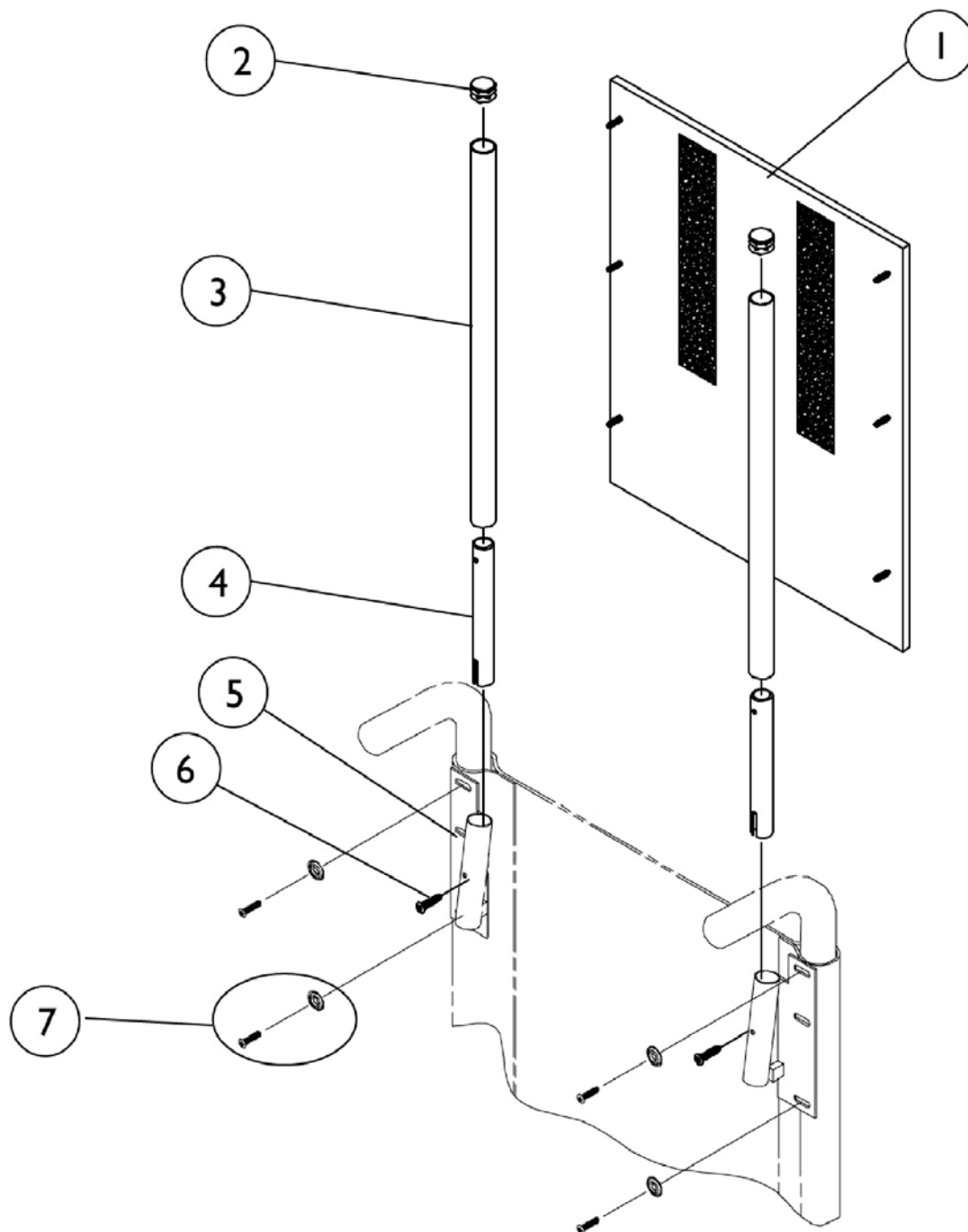
SHEP_090A

Tash & Therafin Accessories

| Item Number | Note | Part Number | Description | Quantity Per | |
|--------------------------------------------------------------------------------------------------------------|------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------|
| | | | | Package | Assembly |
| 1 | | P5820-NLA | NLA - Switch, Red Soft | 1 | 1 |
| 1 | | P5821 | NLA - Switch, Green Soft | 1 | 1 |
| 2 | C | P5018 | Wafer Board (5018) | 1 | 1 |
| 3 | C | P5026-NLA | NLA - Star Control | 1 | 1 |
| 4 | C | P5020 | Mini Joystick with Push (5020) | 1 | 1 |
| 5 | | P4337-NLA | NLA - Multi-Ability Cable | 1 | 1 |
| 6 | | P4353-NLA | NLA - CA5 Multi-Connector Box | 1 | 1 |
| 7 | | P5970-NLA | NLA - Clamp, "U" | 1 | 1 |
| | B | 1142362 | Bib Assembly (PKG32669) | 1 | 1 |
| | B | P21456-NLA | NLA - Adaptor Clamp - Tash | 1 | 1 |
| | B | P21457 | Adaptor Clamp - Invacare | 1 | 1 |
| | B | P21460 | Midline Swingway System | 1 | 1 |
| | A,B | 1140824 | Sip-N-Puff, 16" Fixed (PKG32666) Includes: (3) Air Tube Straws, (2) Saliva Traps, Tubing, Pivot Shaft/Flexible Metal Gooseneck Assembly, and Extruded Figure "8" Clamp to fit 7/8" Wheelchair Frame Tubing. Extruded Back Cane Adapter Clamp. | 1 | 1 |
| | B | 1108489 | Display with Switches | 1 | 1 |
| NOTE: A - See items included. B - Not Shown C - Must be used with display with switches part #1108489. | | | | | |

Headrest & Attaching Hardware

Sling Seat Only



Headrest & Attaching Hardware

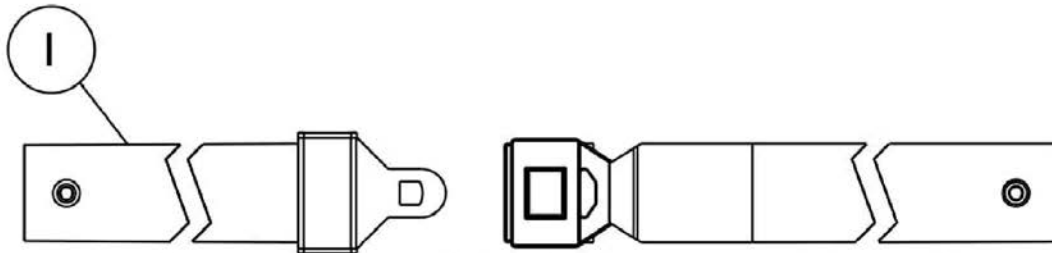
Sling Seat Only

Item #1 Headrest Upholstery

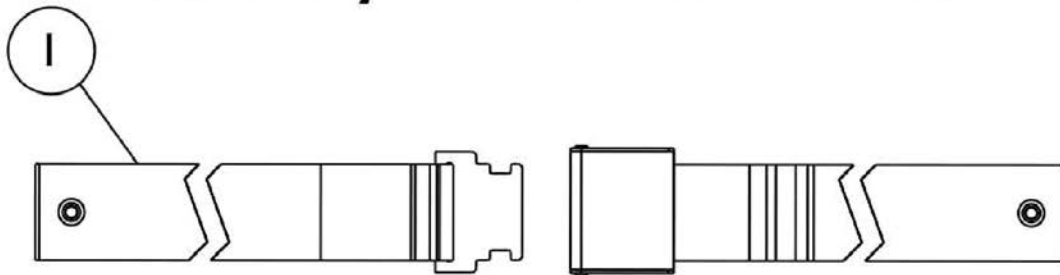
| Width | Nylon | Vinyl |
|-----------------------------------------------------------------------------------------------------------------------------|----------------|---------------------------------|
| 14" W | 8881052586-NLA | 8881054633-NLA See Note(s) A |
| 16" W | 8881052588-NLA | 8881054638-NLA See Note(s) A |
| 18" W | 8881052590-NLA | 8881054637-NLA See Note(s) A |
| 20" W | 8881052592-NLA | 8881054639-NLA See Note(s) A |
| NOTE: A - Specify upholstery color when ordering. See page titled, "Frame Finishes, Touch-Up Paint and Upholstery Options." | | |

| Item Number | Note | Part Number | Description | Quantity Per | |
|-------------|------|-------------|----------------------------------------------|--------------|----------|
| | | | | Package | Assembly |
| 1 | | See Chart | Item #1 Headrest Upholstery | 1 | 1 |
| 2 | | 1027095 | Plug Button, Black (7/8") | 1 | 2 |
| 3 | | 1054605-NLA | NLA - Tube, Headrest Extension | 1 | 2 |
| 4 | | 1028756-NLA | NLA - Tube, Insert | 1 | 2 |
| 5 | | 1028752 | Bracket, Headrest, Black - Right | 1 | 2 |
| 5 | | 1028753 | Bracket, Headrest, Black - Left | 1 | 2 |
| 6 | | 1028484 | Screw, Phillips Pan Head Tap (#10-32 x 1/2") | 1 | 2 |
| 7 | | 1076284 | Screw w/ Washer (#10 x 7/8") | 1 | 4 |

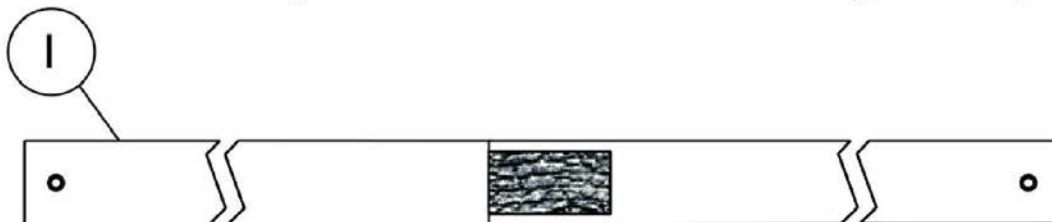
Miscellaneous Accessories



Auto Style Push Button Buckle



Airline Style Buckle Positioning Strap



Hook and Loop Style Buckle Positioning Strap

Miscellaneous Accessories

#1 Auto Style Push Button Positioning Strap

| Chair Width | Part Number | Seat/Chest Positioning Strap w/ Auto Style Buckle Length (Eyelet to Eyelet) |
|----------------|-------------|-----------------------------------------------------------------------------|
| 14" - 18" Wide | 1004310 | 48" L |
| 20" Wide | 1034625 | 61" L |
| 22" Wide | 1034622 | 69" L |

#1 Airline Style Positioning Strap

| Chair Width | Part Number | Seat/Chest Positioning Strap w/ Airline Style Buckle Length (Eyelet to Eyelet) |
|----------------|-------------|--------------------------------------------------------------------------------|
| 14" - 18" Wide | 1034751 | 46" L |
| 20" Wide | 1034752 | 61" L |
| 22" Wide | 1034753 | 70" L |

#1 Hook and Loop Style Positioning Strap

| Chair Width | Part Number | Seat/Chest Positioning Strap w/ Hook and Loop Style Buckle Length (Eyelet to Eyelet) |
|----------------|--------------------------|--------------------------------------------------------------------------------------|
| 14" - 18" Wide | 1034744 See Note(s) A | 45" L |
| 20" Wide | 1034745 See Note(s) A | 61" L |

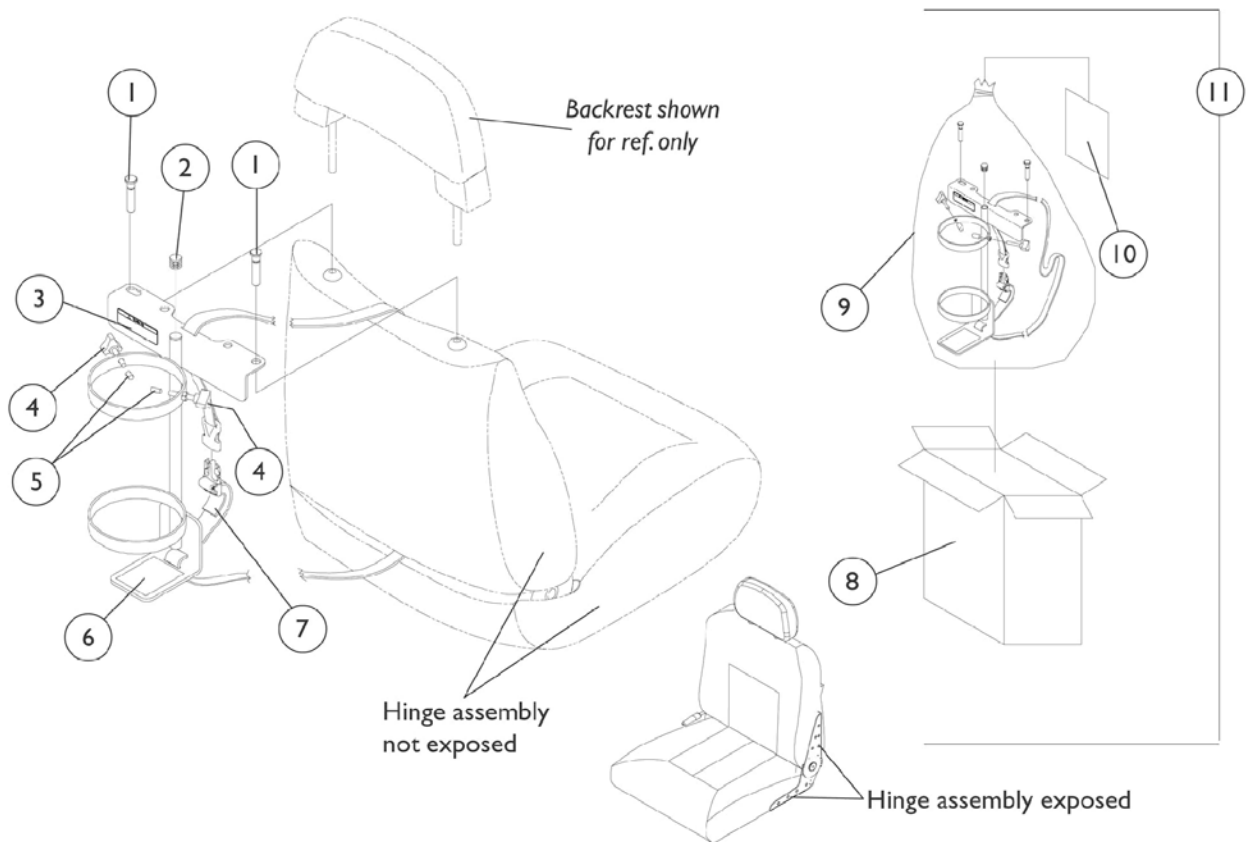
NOTE: A - Hook and Loop Style Positioning Straps for power chairs used for chest positioning only.

Miscellaneous Accessories

Carrying Pocket

| Width | Nylon | Vinyl |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------------------------|
| 14" | 8881047956-NLA | 8881047954-NLA See Note(s) B, A |
| 16-20" | 8881047959 | 8881047957 See Note(s) A, B |
| NOTE: A - Specify frame color when ordering. See page titled, "Frame Finishes, Touch-Up Paint and Upholstery Options." B - Vinyl is optional on RII and Excel models | | |

Oxygen Holder Assembly Kit (Before 4/15/03) Captain Seat, Low Back Models Only



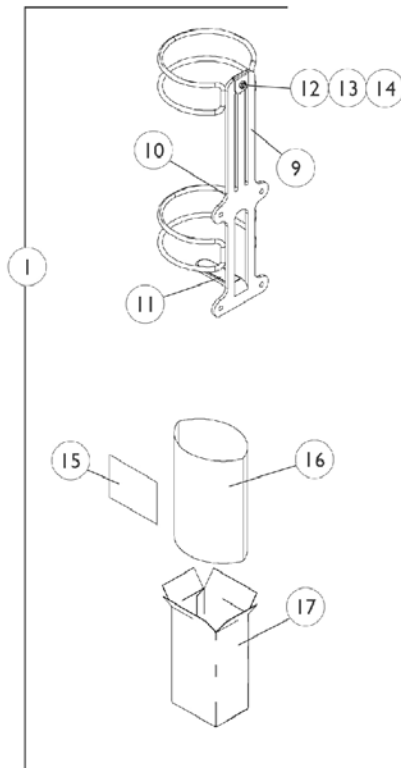
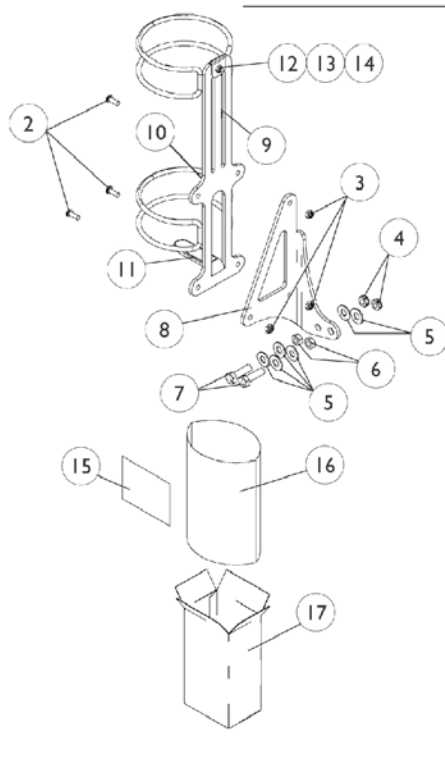
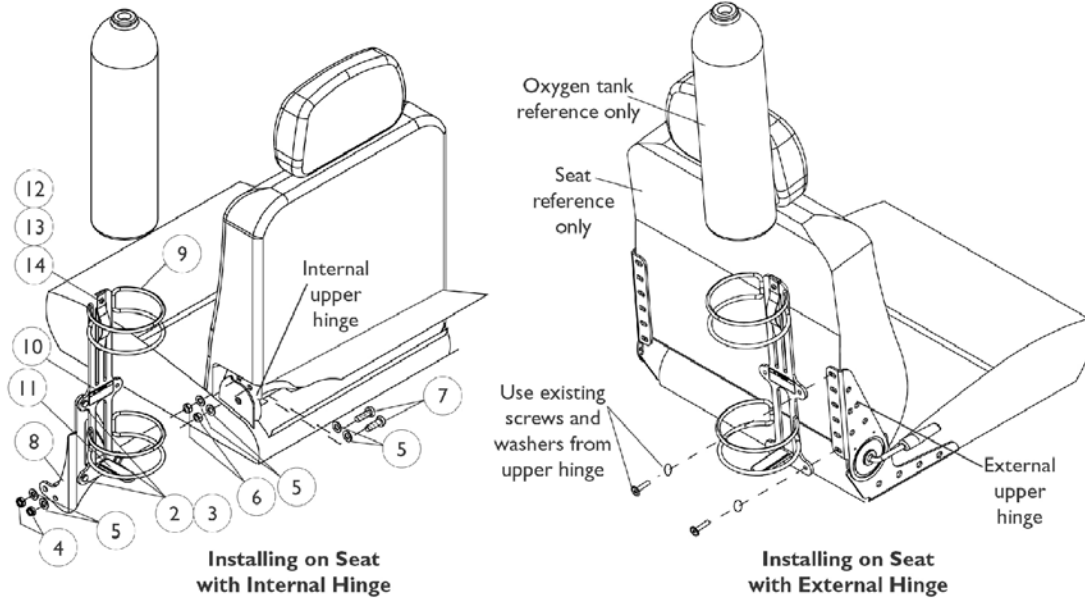
Oxygen Holder Assembly Kit

(Before 4/15/03)

Captain Seat, Low Back Models Only

| Item Number | Note | Part Number | Description | Quantity Per | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----------------------------------------------------|--------------|----------|
| | | | | Package | Assembly |
| 1 | A | 1080865-NLA | NLA - Pin, Oxygen Holder | 1 | 2 |
| 2 | | 1035614 | Plug Button, Black (5/8") | 1 | 1 |
| 3 | | 1080866 | Decal, Oxygen Warning - English | 1 | 1 |
| 4 | | 1027684 | Knob, Clamping, Black | 1 | 2 |
| 5 | | 1086780-NLA | NLA - Package, Protective Cap | 10 | 2 |
| 6 | | 1073159-NLA | NLA - Pad, Non-Skid | 1 | 1 |
| 7 | | 1080872-NLA | NLA - Strap and Buckle Assembly | 1 | 1 |
| 8 | | 1083052-NLA | NLA - Carton, Shipper, Oxygen Holder | 1 | 1 |
| 9 | | 2000454 | Bag, Poly (39" L x 33" W) | 1 | 1 |
| 10 | | 1080869-NLA | NLA - Instruction Sheet, Oxygen Holder | 1 | 1 |
| 11 | B,C | 1080870-NLA | NLA - Oxygen Holder Assembly with Instruction Sheet | 1 | 1 |
| NOTE: A - Oxygen holder pins are to be used when backrest is absent. B - Includes items 1-10. C - Due to product improvement, see oxygen holder assemblies dated after 4/14/03 that will accommodate both (exposed and non-exposed) captain seat hinge assemblies. Special orders are no longer needed for exposed hinge assembly models. | | | | | |

Oxygen Holder Assembly Kit (After 4/14/03) All Captain Seat Models



Oxygen Holder Assembly Kit

(After 4/14/03)

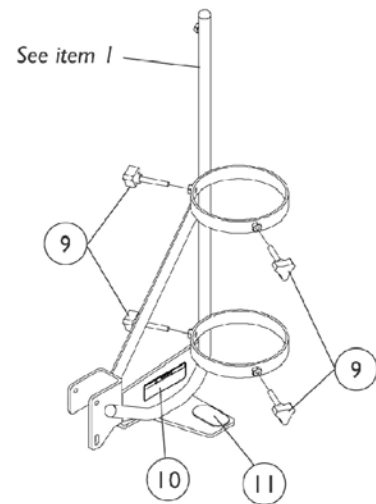
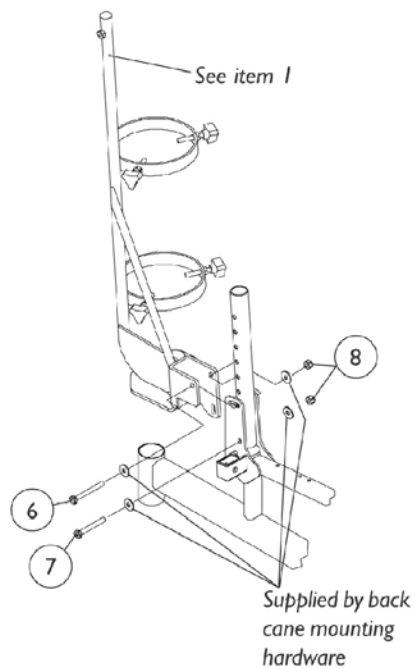
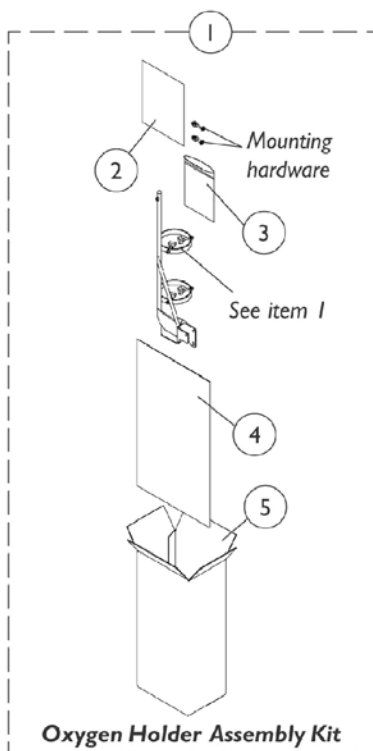
All Captain Seat Models

| Item Number | Note | Part Number | Description | Quantity Per | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-------------------------------------------------|--------------|----------|
| | | | | Package | Assembly |
| 1 | A | 1116952 | Oxygen Holder Assembly Kit | 1 | 1 |
| 1 | B | 1116956 | Oxygen Holder Assembly(D or E Tanks) | 1 | 1 |
| 2 | | 1055304 | Screw, Socket Button Head (1/4-28 x 5/8") | 1 | 3 |
| 3 | | 1025765 | Locknut (1/4-28) | 1 | 3 |
| 4 | | 1028486 | Locknut, Low Profile (3/8-16) | 1 | 2 |
| 5 | | 1118889-NLA | NLA - Washer, Steel (3/8 x 7/8 x 1/16") | 1 | 6 |
| 6 | | 1116954-NLA | NLA - Nut, Hex (3/8-16) | 1 | 2 |
| 7 | | 1118888-NLA | NLA - Screw, Hex Head (3/8-16 x 1-1/4") | 1 | 2 |
| 8 | | 1116953-NLA | NLA - Bracket, Oxygen Holder, Black | 1 | 1 |
| 9 | C | 1116948 | Holder, Oxygen | 1 | 1 |
| 10 | | 1080866 | Decal, Oxygen Warning - English | 1 | 1 |
| 11 | | 1116950-NLA | NLA - Pad, Non-Skid | 1 | 1 |
| 12 | | 1116945 | Spring, Oxygen Holder | 1 | 1 |
| 13 | | 1072319-NLA | NLA - Screw, Socket Button Head (#10-32 x 1/2") | 1 | 1 |
| 14 | | 1025735 | Locknut (#10-32) | 1 | 1 |
| 15 | D | 1116957-NLA | NLA - Instruction Sheet, Oxygen Holder | 1 | 1 |
| 16 | | 1021866-NLA | NLA - Bag, Poly (26" L x 15" W) | 1 | 1 |
| 17 | | 1063960 | Carton | 1 | 1 |
| NOTE: A - For seats with an INTERNAL (Non-Visible) hinge assembly and includes items 2-17 B - For seats with an EXTERNAL (Visible) hinge assembly and includes items 9-17 C - Includes items 10-14 D - Item is no longer available from the Invacare Service Parts Department. Refer to the Invacare Website under "Product Literature Search". Enter the part number in the "Keywords" field and download a free PDF version copy. | | | | | |

Oxygen Holder Assembly Kit

Sling Seats Only

NOTE: Oxygen Holder Assembly Kit shown is not available for EXCEL models.



Oxygen Holder Assembly Kit

Sling Seats Only

NOTE: Oxygen Holder Assembly Kit shown is not available for EXCEL models.

| Item Number | Note | Part Number | Description | Quantity Per | |
|-------------|------|-------------|-------------------------------------------|--------------|----------|
| | | | | Package | Assembly |
| 1 | A | 1098857 | Oxygen Holder Assembly Kit | 1 | 1 |
| 2 | B | 1098333-NLA | NLA - Instruction Sheet, Oxygen Holder | 1 | 1 |
| 3 | | 1021148-NLA | NLA - Bag, Poly Zip-Lip (8-3/4" L x 6" W) | 1 | 1 |
| 4 | | 1021866-NLA | NLA - Bag, Poly (26" L x 15" W) | 1 | 1 |
| 5 | | 1097276-NLA | NLA - Carton, Shipper | 1 | 1 |
| 6 | | 1096839-NLA | NLA - Screw, Hex Head (1/4-20 x 2-1/4") | 1 | 1 |
| 7 | | 1096838-NLA | NLA - Screw, Hex Head (1/4-20 x 2") | 1 | 1 |
| 8 | | 7930333 | Locknut (1/4-20) | 25 | 1 |
| 9 | | 1027684 | Knob, Clamping, Black | 1 | 4 |
| 10 | | 1080866 | Decal, Oxygen Warning - English | 1 | 1 |
| 11 | | 1072002 | Pad, Non Skid | 1 | 1 |

NOTE: A - Includes Items 2-11.
 B - Item is no longer available from the Invacare Service Parts Department. Refer to the Invacare Website under "Product Literature Search". Enter the part number in the "Keywords" field and download a free PDF version copy.

Power Wheelchair Tool Kit

I



**Multimeter
with Leads**



**Grounding
Wire**



**1" Test
Leads**



**Protractor/Angle
Locator**



**Invacare
Pen Light**



**Invacare
Tape Measure**



**Invacare
Phillips/Flat Head
Screwdriver**



MKIV Programmer



**Virtual Service
Charger Cable**

Power Wheelchair Tool Kit

| Item Number | Note | Part Number | Description | Quantity Per | |
|-------------|------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------|
| | | | | Package | Assembly |
| 1 | | 1125222-NLA | NLA - Kit, Power Wheelchair Tool Includes: 1 ea. Multimeter with Leads 1 ea. Locator, Protractor/Angle Magnetic Base 1 ea. Instructions, MKIV Programmer 1 ea. Wire, Grounding with Hand Strap and Clip 1 ea. Leads, 1" Test 1 ea. Light, Pen with Invacare Logo 1 ea. Tape Measure, Compact with Invacare Logo 1 ea. Screwdriver, Pen-Size Phillips/Flat Head 1 ea. Cable, Virtual Service Charger/Modem | 1 | 1 |

Warranty Replacement Parts

| Part Number | Description | QTY per Assembly |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|------------------|
| 1123249E See Note(s) B, A | WARR RPLMT - Charger, Battery, 8 Amp. 115vac (Off Board) Single Mode Round Plug w/ AC Power Line Cord, CTE Corp. | 1 |
| NOTE: A - See "Battery Charger & Harnesses" Category for more information. B - See "Battery Chargers & Harness - R2 jr. (14" Wide)" Category for more information. | | |

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Form No. 98-289